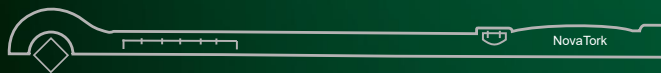


NovaTork[®]

Professional Torque Tool Manufacturer



Shanghai UB Machinery Co., Ltd.

Version: EuF05



ABOUT US



22+ YEARS
PRODUCTION EXPERIENCE



SOLD TO **40+**
COUNTRIES AND REGIONS



11 **70+** EXCLUSIVE PATENTS
INVENTION PATENTS



50+ PRODUCT SERIES
1000+ SPECIFICATIONS

Shanghai UB Machinery Co., Ltd.

is a professional company devoted to R&D, design, manufacture and global sales of torque tools. The brand builder of "NovaTork".

Founded in 2002, our factory is located in Shanghai Fengxian Qianqiao Industrial Park, covering an area of 40,000 square meters.

Our company has mastered global torque core technologies and continues to pioneer innovations, making us one of the few worldwide capable of manufacturing a full range of torque products, including various torque wrenches, interchangeable heads of torque wrenches, torque testing series, torque multipliers, torque screwdrivers, and wireless smart torque wrench system.

Our Mission: Engineering Precision Torque Solutions for Global Industries!

APPLICATIONS

"NovaTork" products have been widely used in many fields such as high speed rail, medical, aerospace, wind power, ship, construction Equipment, communication equipment, automobile, auto repair and so on.



BRIEF HISTORY

2002, Factory built

2005, Obtained ISO9001: 2000 certificate

2010, Was awarded as "High-tech Enterprise"

2011, Click Torque Wrench won the "Best of China" at the Asia-Pacific Sourcing in Germany.

2012, Was awarded with Shanghai Innovation Fund and National Innovation Fund.

2013, Was rated as "China Tool Top-Brand Enterprise"

2014, Was verified as "Gold Plus Supplier" by Alibaba.

2015, Was awarded the "Safety Production Standardization" certification.

2016, Became the membership of National Hardware Tools Standardization Committee.

2017 Was certified as the "Technological Enterprise", and became the member of Shanghai Tool Industry Association

2018, Was interviewed by the documentary program "Quality" from CCTV Discovery.

Obtained intellectual property management GB/T 29490-2013 standard certification.

2019, Was appraised as the "Shanghai science and technology little giant enterprise".

2020, Was rated as a "specialized and innovative" enterprise by Shanghai Government.

2021, Was awarded as a national-level specialized "Little Giant" enterprise.

2022, Was awarded as one of the "Manufacturing Champion Companies" in China

2023, Was appraised as Shanghai Brand Cultivation Demonstration Enterprise, and approved as director of Shanghai Tool Industry Association.

2024, Was awarded as a national-level specialized "Little Giant" enterprise, and was invited to CCTV's interview program "Credit China".

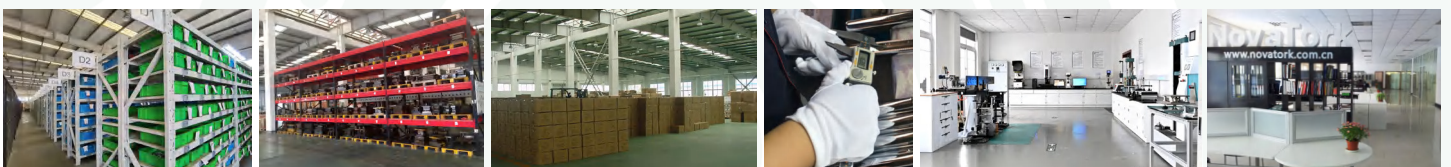


FACTORY OVERVIEW

Machining Center, Automatic Production Line, Assembling line



Warehouses, Inspection, R&D Lab, Calibrating & Testing, Office



Torque Wrench



STM series P1

Larger Window Scale (Click)



G_P series P26

Micrometer Adjustable (Click)
with Plastic Handle



G series P4

Micrometer Adjustable (Click)
with Metal Handle



BQ series P27

Quick Release Adjustable (Click)



EJ/ER/EA series P7

Electronic (Digital)



SL series P28

Slip Type



PC series P15

Preset (Click)



BWM series P29

Break-over Type



DC series P17

Digi-Click Mechanical



TEC series P30

Telecom-specific



C series P19

Dual-Window Scale Adjustable



P31

Mini Torque for Dentistry



DS series P21

Dial Type



DC-00TX (QC) series P33

Wired Transmitter for Preset



AUMR series P24

Aluminum with Ratchet Head



RWT series P32

Railway Electronic

Torque Wrench Fittings



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Guide for Torque Wrench Fittings

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Wireless Smart Torque System



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WE_B(SN) Series
WiFi Multifunctional
Electronic (Scan) System



P37

WE_C Series
WiFi Multifunctional
Electronic System



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WPE_B(SN) Series
WiFi Mechatronic
Preset System



P42, 44

DC-04WX Series
DC-05WX Series
1-To-1 Wireless Counting

P41 Function Comparison Table of WE_B(SN), WE_C, WPE_B(SN)

Torque Screwdriver



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MS Series Mechanical



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ES Series Digital



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PX Series Aviation Preset



P48

Medical Mini

Torque Multiplier



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M Series (M3/M5/M25)



P50

LM Series

Torque Testing



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TEQ Series Torque Tester



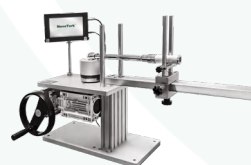
P52

TES Series
Torque Tester



P53

TEV Series
Torque Tester



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TS Series Manual
Testing Loader



P55

TS-TEQ-CH Series
Torque Test Trolley

NovaTork Services P75

Non-standard Customized Cases

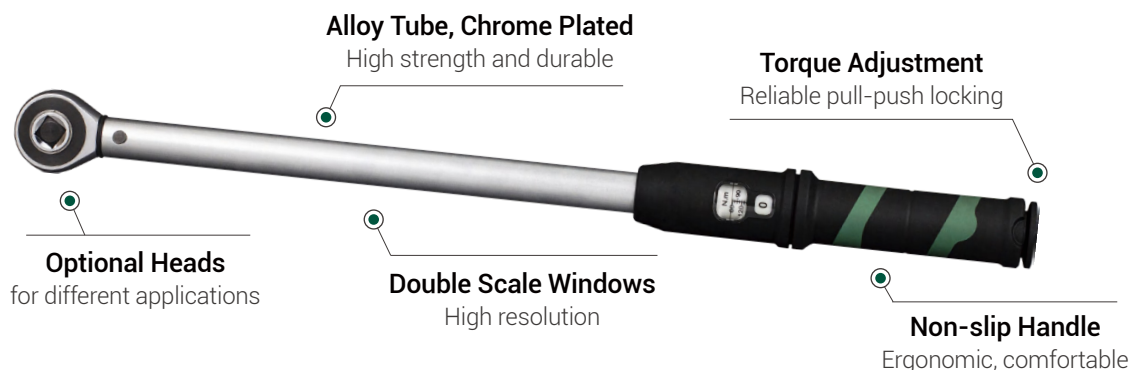
Calculation of Using Non-Standard Inserts

(for Electronic Torque Wrenches) P76

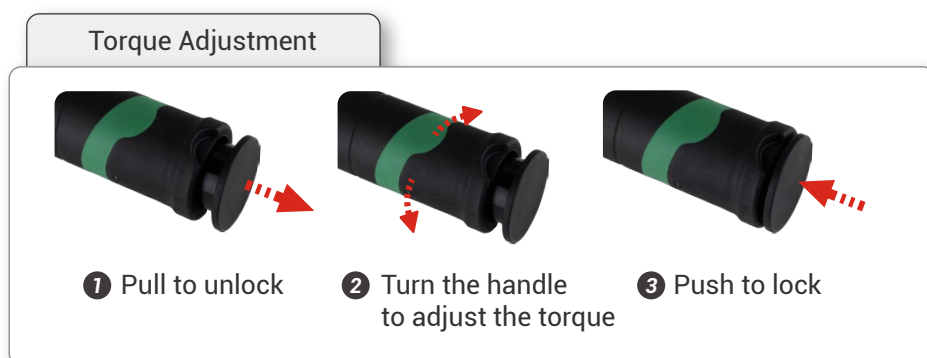
Torque Knowledge P77

Note: Due to the product improvement, the technical parameters are subject to variation, please confirm with the supplier when placing an order.

STM Series Larger Window Scale (Click) Torque Wrench



- Accuracy: $\pm 4\%$ of reading.
- Unique window scale with fine increments.
- Ergonomic, non-slip handle.
- Push-pull end cap to secure the set torque value from accidental change.
- Longer than normal torque wrenches for reduced fatigue during prolonged use
- Alloy tube, chrome plated, high strength and durable.
- Heads designed for various applications:
 - STM model: Reversible ratchet head for both clockwise and counterclockwise operation.
 - STM_CF model: Carbon fiber tube version of STM model.
 - STMX model: Push-through ratchet head with bidirectional operation.
 - STMH model: Rectangular shank head holder compatible with 9x12, 14x18, 24x32mm inserts.
 - STMR model: Round head holder compatible with $\varnothing 16$ and $\varnothing 22$ mm inserts.
 - STMBQL model: Teardrop-shaped ratchet head with an easy-to-use reverse lever.



100% Calibrated

Unique serial number for each torque wrench, corresponding to the certificate of calibration

NovaTork® Certificate of Calibration									
Model No.	030102			Serial No.	PF339100				
Type	Setting			Calibration Equipment	8119028				
Range	20-100 N.m			Accuracy of Equipment	±1.0%				
Set Torque	Clockwise Readings			Max % Error					
25	25.6	25.5	25.5	25.5	25.5	25.5	25.5	25.5	±0.1%
75	75.5	75.4	75.5	75.5	75.5	75.5	75.5	75.5	±0.1%
100	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	±0.1%
Results: This declaration of conformance is in accordance with ISO/IEC 17025 and ASME B107.305-2010 ±0.1% in clockwise direction									
Ambient temperature: 22.8 °C									
Statement on human: 45001/2021									
It is strongly recommended that the device be recalibrated no later than 12 months or no later than 12 months after the date it is put in service, whichever comes first.									
Calibrated by:	S. T. T. T.			Date:					

STM Model

Reversible Ratchet Head Torque Wrench
Bidirectional operation



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
STM125	1/4"	5-25	4-20	0.2	321	30	0.82
STM250	3/8"	10-50	8-40	0.5	387	38	1
STM260	3/8"	10-60	9-45	0.5	387	38	1
STM2100	3/8"	20-100	15-75	0.5	433	38	1.1
STM3100	1/2"	20-100	15-75	0.5	433	38	1.1
STM3150	1/2"	30-150	25-115	1	463	40	1.2
STM3200	1/2"	40-200	30-150	1	491	40	1.25
STM3300	1/2"	60-300	45-225	1.5	551	40	1.4
STM3340	1/2"	60-340	50-250	2	551	40	1.4
STM3400	1/2"	80-400	60-300	2	700	40	1.65
STM4550	3/4"	100-550	80-405	3	920	57	3.1
STM4750	3/4"	150-750	110-550	5	1105	60	4
STM41000	3/4"	200-1000	150-750	5	1105	60	4
STM51500	1"	300-1500	200-1100	10	1260	72	4.5

STMX Model

Push-through Ratchet Head Torque Wrench
Bidirectional operation



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
STMX125	1/4"	5-25	4-20	0.2	328	27	0.84
STMX250	3/8"	10-50	8-40	0.5	392	37	1
STMX260	3/8"	10-60	9-45	0.5	392	37	1
STMX3100	1/2"	20-100	15-75	0.5	434	45	1.1
STMX3150	1/2"	30-150	25-115	1	504	45	1.25
STMX3200	1/2"	40-200	30-150	1	504	45	1.25
STMX3300	1/2"	60-300	45-225	1.5	556	45	1.4
STMX3400	1/2"	80-400	60-300	2	700	50	1.97
STMX4550	3/4"	100-550	80-405	3	924	70	3.67
STMX4750	3/4"	150-750	110-550	5	1076	70	4.1
STMX4850	3/4"	200-850	150-650	5	1207	70	4.5
STMX41000	3/4"	200-1000	150-750	5	1207	70	4.67
STMX51500	1"	300-1500	200-1100	10	1765	90	6.5
STMX52000	1"	400-2000	300-1500	10	1943	90	6.8

STM_CF Model

Reversible Ratchet Head Torque Wrench (with Carbon Fiber Tube)
Clockwise & Counterclockwise Bidirectional operation



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
STM125CF	1/4"	5-25	4-20	0.2	321	30	0.67
STM260CF	3/8"	10-60	9-45	0.5	387	38	0.81
STM2100CF	3/8"	20-100	15-75	0.5	433	38	0.88
STM3100CF	1/2"	20-100	15-75	0.5	433	38	0.88
STM3200CF	1/2"	40-200	30-150	1	491	40	0.99
STM3340CF	1/2"	60-340	50-250	2	551	40	1.1
STM3400CF	1/2"	80-400	60-300	2	700	40	1.35
STM4550CF	3/4"	100-550	80-405	3	920	57	2.36

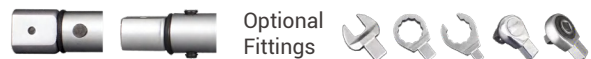
STMH Model

Rectangular Shank Head Holder Torque Wrench
For rectangular shank head inserts



Metric

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
STMH925	9x12	5-25	4-20	0.2	315	24	0.7
STMH950	9x12	10-50	8-40	0.5	376	24	0.82
STMH960	9x12	10-60	9-45	0.5	376	24	0.82
STMH9100	9x12	20-100	15-75	0.5	417	24	0.9
STMH9150	9x12	30-150	25-115	1	456	24	1.1
STMH14150	14x18	30-150	25-115	1	459.5	32	1.15
STMH14200	14x18	40-200	30-150	1	477.5	32	1.2



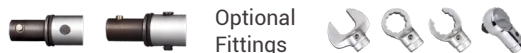
Optional Fittings

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
STMH14300	14x18	60-300	45-225	1.5	537.5	32	1.2
STMH14400	14x18	80-400	60-300	2	693.5	32	1.6
STMH14550	14x18	100-550	80-405	3	868.5	32	2
STMH14650	14x18	130-650	96-486	4	1018	34.5	3.8
STMH24550	24x32	100-550	80-405	3	919	56	2
STMH24750	24x32	150-750	110-550	5	1070	56	4
STMH24850	24x32	200-850	150-650	5	1137	56	4.2

STMR Model

Round Head Holder Torque Wrench

For round hole inserts



Metric

Item No.	Round Hole	Torque Range		Increment	Length	Width	Weight
	mm	N.m	Lb.ft	N.m	mm	mm	kg
STMR1625	φ16	5-25	4-20	0.2	319	43	0.78
STMR1650	φ16	10-50	8-40	0.5	378	43	0.9
STMR1660	φ16	10-60	9-45	0.5	378	43	0.9
STMR16100	φ16	20-100	15-75	0.5	420	43	0.99
STMR16150	φ16	30-150	25-115	1	478	43	1.1
STMR16200	φ16	40-200	30-150	1	478	43	1.1
STMR16300	φ16	60-300	45-225	1.5	538	43	1.2
STMR16400	φ16	80-400	60-300	2	700	43	1.3
STMR22550	φ22	100-550	80-405	3	793	43	3.27
STMR22750	φ22	150-750	110-550	5	1088	43	3.85
STMR22850	φ22	200-850	150-650	5	1088	43	3.85

STMBQL Model

Teardrop-shaped Ratchet Head Torque Wrench

Bidirectional with easy reverse lever



Metric

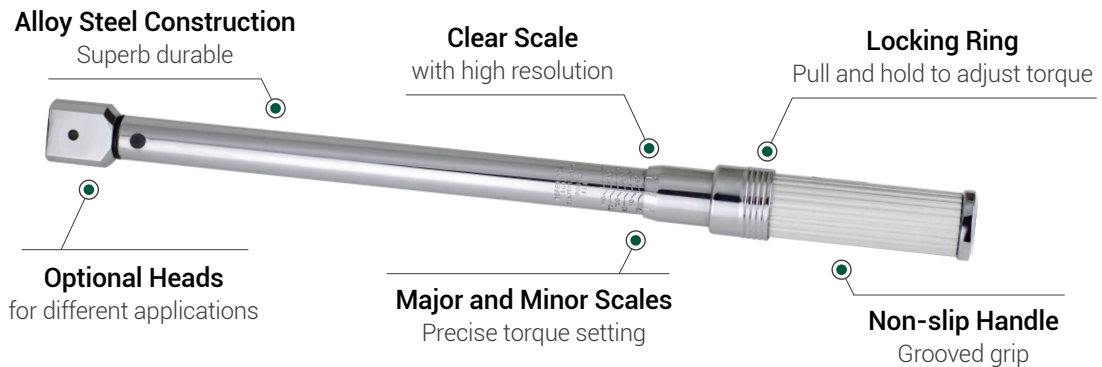
Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight	Extension
		N.m	Lb.ft	N.m	mm	mm	kg	
STMBQL125	1/4"	5-25	4-20	0.2	337	28	0.86	-
STMBQL250	3/8"	10-50	8-40	0.5	395	32	1	-
STMBQL260	3/8"	10-60	9-45	0.5	395	32	1	-
STMBQL2100	3/8"	20-100	15-75	0.5	441	38	1.1	-
STMBQL3150	1/2"	30-150	25-115	1	484	40	1.27	-
STMBQL3200	1/2"	40-200	30-150	1	513	40	1.27	-
STMBQL3300	1/2"	60-300	45-225	1.5	573	40	1.37	-
STMBQL3340	1/2"	60-340	50-250	2	583	40	1.37	-
STMBQL4550	3/4"	100-550	80-405	3	1060	64	3.7	-
STMBQL4750	3/4"	150-750	110-550	5	1250	64	4.4	-
STMBQL41000	3/4"	200-1000	150-750	5	1250	64	4.4	-
STMBQL51500E	1"	300-1500	200-1100	10	1872	72	4.5	1

Shockproof packaging

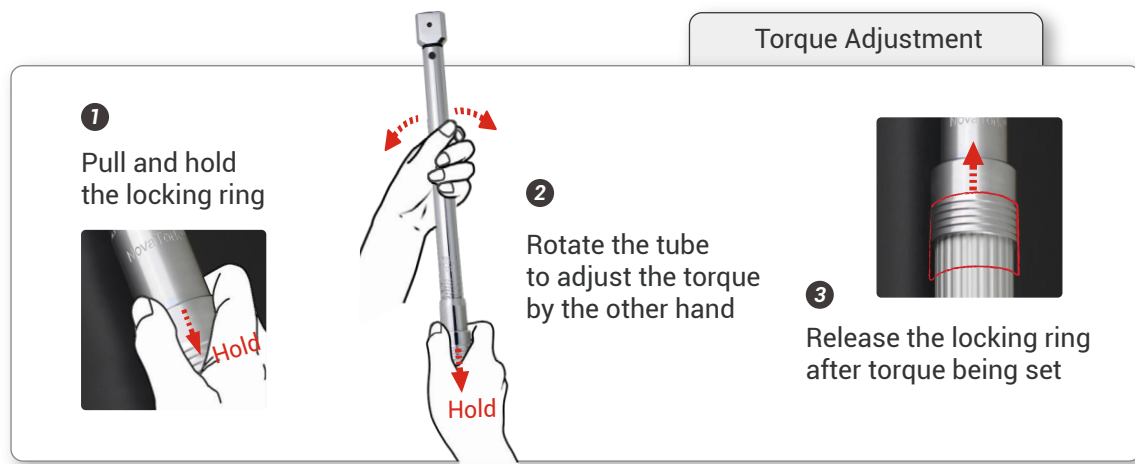
Specially designed for all series of "NovaTork" torque products



G Series Micrometer Adjustable (Click) Torque Wrench



- Accuracy: $\pm 4\%$ in clockwise direction from 20% to 100% of capacity.
- All steel construction, superb durability.
- Permanently stamped major and minor scales for precision torque values setting.
- Dual-unit scales (Metric & English) for versatile measurements.
- Minor scale provides 1/10 increments of the main scale.
- Pull and hold the self-locking ring to set torque, secured by rebound locking.
- Grooved non-slip grip fits comfortably in your hand.
- Heads designed for various applications:
 - GM/G (GSM_S/GS_S mini size) model : Reversible ratchet head for both clockwise and counter-clockwise operation.
 - GMH/GH (GSMH_S/GSH_S mini size) model: Rectangular shank head holder compatible with 9x12, 14x18, 24x32, 27x36mm inserts.
 - GMR (GSMR_S/GSR_S mini size) model: Round head holder compatible with $\varnothing 16$, $\varnothing 22$ mm inserts, and mini model for $\varnothing 12$ mm inserts.
- From GS mini model to GM _ E large size with extension bar, wide torque coverage.



GM Model

Reversible Ratchet Head Torque Wrench

Bidirectional operation

G Model (English Unit)



Metric

Item No.	Square Drive	Torque Range		Increment	Length			Weight
		N.m	Lb.ft		mm	mm	kg	
GM112	1/4"	2.5-12	20-105*	0.1	290	38	0.68	
GM120	1/4"	4.0-20	30-180*	0.1	290	38	0.68	
GM230	3/8"	6.0-30	50-250*	0.2	318	38	0.82	
GM330	1/2"	6.0-30	50-250*	0.2	318	38	0.82	
GM260	3/8"	10-60	9-45	0.5	388	38	0.96	
GM360	1/2"	10-60	9-45	0.5	388	38	0.96	
GM2100	3/8"	20-100	15-75	0.5	443	38	1.04	
GM3100	1/2"	20-100	15-75	0.5	443	38	1.04	
GM2125	3/8"	25-125	20-90	0.5	443	38	1.04	
GM3125	1/2"	25-125	20-90	0.5	443	38	1.04	
GM3200	1/2"	40-200	30-150	1	468	40	1.16	
GM3335	1/2"	65-335	50-250	1	528	40	1.3	
GM4335	3/4"	65-335	50-250	1	528	40	1.34	
GM4500	3/4"	100-500	80-400	2.5	855	60	5	
GM4800	3/4"	160-800	120-600	4	1055	60	5.9	
GM5800	1"	160-800	120-600	4	1055	60	5.9	
GM41200	3/4"	250-1200	-	5	1055	60	5.9	
GM51000	1"	200-1000	150-750	5	1055	60	5.9	
GM51500	1"	300-1500	200-1100	5	1260	75	9.2	
GM52000	1"	400-2000	300-1500	10	1260	75	9.2	
GM53000	1"	600-3000	400-2000	15	1260	75	10.5	
GM3200L	1/2"	40-200	30-150	1	525	40	1.29	
GM3335L	1/2"	65-335	50-250	1	700	40	2.1	
GM4335L	3/4"	65-335	50-250	1	700	40	2.15	
GM51500L	1"	300-1500	200-1100	5	1600	75	13	
GM52000L	1"	400-2000	300-1500	10	1600	75	13	
GM53000L	1"	600-3000	400-2000	15	1840	75	15.2	
GM4400S	3/4"	80-400	60-300	2	697	57	3.1	
GM4500S	3/4"	100-500	80-400	2.5	700	57	3.1	

* Unit is Lb.in; L is extended length version; S is shortened length version.

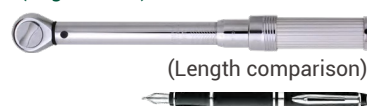
English

Item No.	Square Drive	Torque Range		Increment	Length			Weight
		Lb.ft	N.m		Lb.ft	mm	mm	
G1200	1/4"	40-200*	4.0-22	1.0*	280	38	0.68	
G2250	3/8"	50-250*	6.0-30	1.0*	315	38	0.82	
G2100	3/8"	20-100	25-135	0.5	425	38	1.04	
G3100	1/2"	20-100	25-135	0.5	425	38	1.04	
G3150	1/2"	30-150	40-200	0.5	505	40	1.16	
G3250	1/2"	50-250	70-340	1	525	40	1.3	
G4250	3/4"	50-250	70-340	1	525	40	1.34	
G4400	3/4"	80-400	100-550	2	855	60	5	
G4600	3/4"	100-600	150-800	2.5	1055	60	5.9	
G5600	1"	100-600	150-800	2.5	1055	60	5.9	
G51000	1"	200-1000	250-1350	5	1260	75	9.2	
G52000	1"	400-2000	500-2700	10	1260	75	10.5	
G3250L	1/2"	50-250	70-340	1	705	40	2.1	
G4250L	3/4"	50-250	70-340	1	705	40	2.15	

*Unit is Lb.in; L is extended length version.

GS Model Mini size of GM model

GS_S Model (English Unit)



(Length comparison)

Metric

Item No.	Square Drive	Torque Range		Increment	Length			Weight
		N.m	N.m		mm	mm	kg	
GSM15S	1/4"	1-5	0.05		183	28	0.3	
GSM110S	1/4"	2-10	0.1		195	28	0.32	
GSM115S	1/4"	3-15	0.15		207	28	0.33	
GSM125S	1/4"	5-25	0.25		230	28	0.35	
GSM240S	3/8"	8-40	0.4		260	36	0.37	
GSM260S	3/8"	10-60	0.5		310	36	0.51	

English

Item No.	Square Drive	Torque Range		Increment	Length			Weight
		Lb.in	Lb.in		mm	mm	kg	
GS150S	1/4"	10-50	0.5		183	28	0.32	
GS1100S	1/4"	20-100	1		195	28	0.34	
GS1150S	1/4"	30-150	1.5		207	28	0.36	

GMR Model

Round Head Holder Torque Wrench

For round hole inserts



Metric

Item No.	Round Hole	Torque Range		Increment	Length			Weight
		N.m	Lb.ft		mm	mm	kg	
GMR1612	φ16	2.5-12	20-105*	0.1	288	38	0.58	
GMR1620	φ16	4.0-20	30-180*	0.1	288	38	0.58	
GMR1630	φ16	6.0-30	50-250*	0.2	307	38	0.72	
GMR1660	φ16	10-60	9-45	0.5	377	38	0.86	
GMR16125	φ16	25-125	20-90	0.5	431	38	0.94	
GMR16200	φ16	40-200	30-150	1	455	38	1.06	
GMR16335	φ16	65-335	50-250	1	515	38	1.2	
GMR16400	φ16	80-400	60-300	2	695	38	2	
GMR22500	φ22	100-500	80-400	2.5	800	38	4.3	
GMR22800	φ22	160-800	120-600	4	1005	38	5.2	
GMR221000	φ22	200-1000	150-750	5	1005	38	5.2	
GMR16335L	φ16	65-335	50-250	1	695	38	2	

* Unit is Lb.in; L is extended length version.

GSMR_S Model Mini size of GMR model

GSR_S Model (English Unit)



Metric

Item No.	Round Hole	Torque Range		Increment	Length			Weight
		N.m	N.m		mm	mm	kg	
GSMR125S	φ12	1-5	0.05		167	28	0.28	
GSMR1210S	φ12	2-10	0.1		179	28	0.28	
GSMR1215S	φ12	3-15	0.15		191	28	0.3	
GSMR1225S	φ12	5-25	0.25		214	28	0.32	
GSMR1240S	φ12	8-40	0.4		244	28	0.34	
GSMR1260S	φ12	10-60	0.5		278	28	0.39	

English

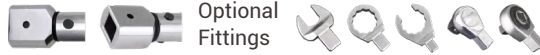
Item No.	Round Hole	Torque Range		Increment	Length			Weight
		Lb.in	Lb.in		mm	mm	kg	
GSR1250S	φ12	10-50	0.5		167	28	0.28	
GSR12100S	φ12	20-100	1		179	28	0.28	
GSR12150S	φ12	30-150	1.5		191	28	0.3	

GMH Model

Rectangular Shank Head Holder Torque Wrench

For rectangular shank head inserts

GH Model (English Unit)



Metric

Item No.	Shank Size	Torque Range		Incre-ment	Length Width Weight		
	mm	N.m	Lb.ft	N.m	mm	mm	kg
GMH912	9x12	2.5-12	20-105*	0.1	284	38	0.58
GMH920	9x12	4.0-20	30-180*	0.1	284	38	0.58
GMH930	9x12	6.0-30	50-250*	0.2	303	38	0.72
GMH960	9x12	10-60	9-45	0.5	372	38	0.86
GMH9100	9x12	20-100	15-75	0.5	427	38	0.94
GMH9125	9x12	25-125	20-90	0.5	427	38	0.94
GMH14200	14x18	40-200	30-150	1	458.5	38	1.06
GMH14335	14x18	65-335	50-250	1	513.5	38	1.2
GMH14400	14x18	80-400	60-300	2	697	35	2.1
GMH24500	24x32	100-500	80-400	2.5	855	56	5
GMH24800	24x32	160-800	120-600	4	1055	56	5.9
GMH241000	24x32	200-1000	150-750	5	1055	56	5.9
GMH271500	27x36	300-1500	200-1100	5	1249	64	9
GMH272000	27x36	400-2000	300-1500	10	1249	64	9
GMH273000	27x36	600-3000	400-2000	15	1249	64	10.3

Item No.	Shank Size	Torque Range		Incre-ment	Length Width Weight		
	mm	N.m	Lb.ft	N.m	mm	mm	kg
GMH14335L	14x18	65-335	50-250	1	693.5	38	2
GMH24400S	24x32	80-400	60-300	2	697	56	2.8
GMH14500S	14x18	100-500	80-400	2.5	673.5	56	3
GMH24500S	24x32	100-500	80-400	2.5	697	56	3

* Unit is Lb.in; L is extended length version; S is shortened length version.

English

Item No.	Shank Size	Torque Range		Incre-ment	Length Width Weight		
	mm	Lb.ft	N.m	Lb.ft	mm	mm	kg
GH9200	9x12	40-200*	4.0-22	1*	265	38	0.58
GH9250	9x12	50-250*	6.0-30	1*	300	38	0.72
GH9100	9x12	20-100	25-135	0.5	410	38	0.94
GH14150	14x18	30-150	40-200	0.5	493.5	38	1.06
GH14250	14x18	50-250	70-340	1	513.5	38	1.2
GH24400	24x32	80-400	100-550	2	855	56	5
GH24600	24x32	100-600	150-800	2.5	1055	56	5.9
GH271000	27x36	200-1000	250-1350	5	1260	64	9
GH272000	27x36	400-2000	500-2700	10	1260	64	10.3
GH14250L	14x18	50-250	70-340	1	700	38	2

* Unit is Lb.in; L is extended length version.

GSMH_S Model Mini size of GMH model

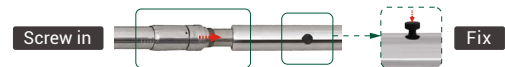
GSH_S Model (English Unit)

Metric

Item No.	Shank Size	Torque Range	Incre-ment	Length Width Weight		
	mm	N.m	N.m	mm	mm	kg
GSMH95S	9x12	1-5	0.05	167	28	0.28
GSMH910S	9x12	2-10	0.1	179	28	0.3
GSMH915S	9x12	3-15	0.15	191	28	0.31
GSMH925S	9x12	5-25	0.25	214	28	0.33
GSMH940S	9x12	8-40	0.4	244	28	0.36
GSMH960S	9x12	10-60	0.5	278	28	0.41

English

Item No.	Shank Size	Torque Range	Incre-ment	Length Width Weight		
	mm	Lb.in	Lb.in	mm	mm	kg
GSH950S	9x12	10-50	0.5	167	28	0.28
GSH9100S	9x12	20-100	1	179	28	0.3
GSH9150S	9x12	30-150	1.5	191	28	0.32



GM_E Model Reversible Ratchet Head Torque Wrench (wth Extension Bar)

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight	Extension
		N.m	Lb.ft	N.m	mm	mm	kg	
GM51500E	1"	300-1500	200-1100	5	2200	75	12.1	1
GM52000E	1"	400-2000	300-1500	10	2200	75	12.1	1
GM53000E	1"	600-3000	400-2000	15	2780	75	15.5	1

GMH_E Model Rectangular Shank Head Holder Torque Wrench (wth Extension Bar)

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight	Extension
	mm	N.m	Lb.ft	N.m	mm	mm	kg	
GMH271500E	27x36	300-1500	200-1100	5	2200	64	12.5	1
GMH272000E	27x36	400-2000	300-1500	10	2200	64	12.5	1
GMH273000E	27x36	600-3000	400-2000	15	2780	64	15.3	1

Model suffixed with "E" are equipped with Extension bar.

EJ, ER, EA Series Electronic Torque Wrench



- Accuracy: CW $\pm$ 2%, CCW $\pm$ 3% from 10% to 100% of capacity.
- Electronic digital display, accurate value adjustment, high resolution, easy to read.

EJ Series

(Basic Version)

- 3 Torque units: Nm, Lbin, Lbft.
- 2 Test modes: Peak, Track.
- Peak value hold function.
- Target torque value can be set.
- When the set torque is reached, there will be an audible and visual alarm.
- Automatic zero reset during continuous use.
- Switchable backlight for dark conditions.
- Torque error% display function.
- Battery level display.
- Automatically shut off after 2 minutes of non use.
- 3 Pcs AAA batteries, easy to replace.

ER Series

(with Storage, Ratio Functions)

- 4 Torque units: Nm, Lbin, Lbft, Kgm.
- On the basis of **EJ**, Storage and Ratio functions are added:
 - ◆ Built-in storage for 1,000 data sets, with USB computer upload capability.
 - ◆ Unique Ratio function to facilitate torque calculation when using non-standard heads.

EA Series

(with Angle, Storage, Ratio Functions)

- Angle Accuracy: ($\pm$ 1% of reading) + ($\pm$ 1° @ angular speed of 10°/s~180°/s) + ($\pm$ 1° of test fixture)
- 4 Torque units: Nm, Lbin, Lbft, Kgm.
- On the basis of **ER**, the Angle function is added:
 - ◆ There are 3 test types: Peak Torque, Peak Angle, Torque+Angle
 - ◆ In angle test, there is angle error(°) display
 - ◆ NovaTork's unique angle function, developed by a team of expert professors, adopts a high-precision gyroscope chip, enabling sensitive identification in any plane at any angle.

EJ Series Electronic Torque Wrench

EJM Model

Reversible Ratchet Head Torque Wrench

Bidirectional operation

EJ Model (English Unit)



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EJM120	1/4"	2-20	17.7-177*	0.01	393	28	0.8
EJM230	3/8"	3-30	26.6-266*	0.01	405	38	0.83
EJM250	3/8"	5-50	44.3-443*	0.01	445	38	0.92
EJM2100	3/8"	10-100	7.4-73.8	0.1	475	38	0.98
EJM3200	1/2"	20-200	14.8-148	0.1	515	40	1.1
EJM3300	1/2"	30-300	22.1-221	0.1	583	40	1.25
EJM4400	3/4"	40-400	29.5-295	0.1	800	56	3.3
EJM4600	3/4"	60-600	44.3-443	0.1	1050	60	4.6
EJM4800	3/4"	80-800	59.0-590	0.1	1250	60	5.2
EJM41000	3/4"	100-1000	73.8-738	0.1	1250	60	5.2
EJM51500	1"	150-1500	110-1100	1	1265	75	6.1
EJM52000	1"	200-2000	150-1500	1	1600	75	6.5

* Unit is Lb.in.

English

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		Lb.ft	N.m				
EJ1200	1/4"	20-200*	2.3-22.6	0.1*	393	28	0.8
EJ2250	3/8"	25-250*	2.8-28.2	0.1*	405	38	0.83
EJ2450	3/8"	45-450*	5.1-50.8	0.1*	445	38	0.92
EJ2100	3/8"	10-100	13.5-135	0.1	475	38	0.98
EJ3150	1/2"	15-150	20.3-203	0.1	515	40	1.1
EJ3250	1/2"	25-250	34.0-340	0.1	583	40	1.25

* Unit is Lb.in.

EJM_CF Model

Reversible Ratchet Head Torque Wrench

(with Carbon Fiber Tube)



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EJM120CF	1/4"	2-20	17.7-177*	0.01	393	28	0.52
EJM230CF	3/8"	3-30	26.6-266*	0.01	405	38	0.54
EJM250CF	3/8"	5-50	44.3-443*	0.01	445	38	0.6
EJM2100CF	3/8"	10-100	7.4-73.8	0.1	475	38	0.64
EJM3200CF	1/2"	20-200	14.8-148	0.1	515	40	0.72
EJM3300CF	1/2"	30-300	22.1-221	0.1	583	40	0.82

* Unit is Lb.in.



(Large Torque)

EJMH Model

Rectangular Shank Head Holder Torque Wrench

For rectangular shank head inserts

EJH Model (English Unit)



Metric

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EJMH920	9×12	2-20	17.7-177*	0.01	377	24	0.77
EJMH930	9×12	3-30	26.6-266*	0.01	377	24	0.77
EJMH950	9×12	5-50	44.3-443*	0.01	417	24	0.85
EJMH9100	9×12	10-100	7.4-73.8	0.1	447	24	0.92
EJMH14200	14×18	20-200	14.8-148	0.1	493	32	1.05
EJMH14300	14×18	30-300	22.1-221	0.1	561	32	1.22
EJMH14400	14×18	40-400	29.5-295	0.1	780	32	3
EJMH24600	24×32	60-600	44.3-443	0.1	1050	56	4.5
EJMH24800	24×32	80-800	59.0-590	0.1	1250	56	5
EJMH241000	24×32	100-1000	73.8-738	0.1	1250	56	5.1

* Unit is Lb.in.

English

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		Lb.ft	N.m				
EJH9200	9×12	20-200*	2.3-22.6	0.1*	377	24	0.77
EJH9250	9×12	25-250*	2.8-28.2	0.1*	377	24	0.77
EJH9450	9×12	45-450*	5.1-50.8	0.1*	417	24	0.85
EJH9100	9×12	10-100	13.5-135	0.1	447	24	0.92
EJH14150	14×18	15-150	20.3-203	0.1	493	32	1.05
EJH14250	14×18	25-250	34.0-340	0.1	561	32	1.22

* Unit is Lb.in.

EJMH_CF Model

Rectangular Shank Head Holder Torque Wrench

(with Carbon Fiber Tube)



Metric

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EJMH920CF	9×12	2-20	17.7-177*	0.01	377	24	0.51
EJMH930CF	9×12	3-30	26.6-266*	0.01	377	24	0.52
EJMH950CF	9×12	5-50	44.3-443*	0.01	417	24	0.55
EJMH9100CF	9×12	10-100	7.4-73.8	0.1	447	24	0.6
EJMH14200CF	14×18	20-200	14.8-148	0.1	493	32	0.68
EJMH14300CF	14×18	30-300	22.1-221	0.1	561	32	0.8

* Unit is Lb.in.

EJMBQL Model

Teardrop Ratchet Head Torque Wrench

Bidirectional with easy reverse lever

EJBQL Model (English Unit)



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EJMBQL120	1/4"	2-20	17.7-177*	0.01	401	28	0.87
EJMBQL230	3/8"	3-30	26.6-266*	0.01	407	33	0.89
EJMBQL250	3/8"	5-50	44.3-443*	0.01	447	33	0.99
EJMBQL2100	3/8"	10-100	7.4-73.8	0.1	477	33	1.05
EJMBQL3200	1/2"	20-200	14.8-148	0.1	529	40.5	1.15
EJMBQL3300	1/2"	30-300	22.1-221	0.1	597	40.5	1.26
EJMBQL4400	3/4"	40-400	29.5-295	0.1	800	64	3.3
EJMBQL4600	3/4"	60-600	44.3-443	0.1	1050	64	4.6
EJMBQL4800	3/4"	80-800	59.0-590	0.1	1250	64	5.2
EJMBQL41000	3/4"	100-1000	73.8-738	0.1	1250	64	5.2

*Unit is Lb.in

English

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		Lb.ft	N.m				
EJBQL1200	1/4"	20-200*	2.3-22.6	0.1*	401	28	0.87
EJBQL2250	3/8"	25-250*	2.8-28.2	0.1*	407	33	0.89
EJBQL2450	3/8"	45-450*	5.1-50.8	0.1*	447	33	0.99
EJBQL2100	3/8"	10-100	13.5-135	0.1	477	33	1.05
EJBQL3150	1/2"	15-150	20.3-203	0.1	529	40.5	1.15
EJBQL3250	1/2"	25-250	34.0-340	0.1	597	40.5	1.26

*Unit is Lb.in

EJMBQL_CF Model Teardrop Ratchet Head Torque Wrench (with Carbon Fiber Tube)



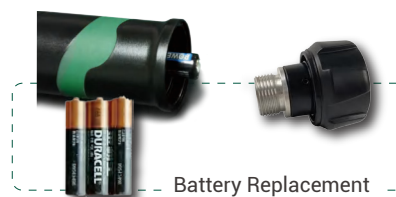
Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EJMBQL120CF	1/4"	2-20	17.7-177*	0.01	401	28	0.58
EJMBQL230CF	3/8"	3-30	26.6-266*	0.01	407	33	0.59
EJMBQL250CF	3/8"	5-50	44.3-443*	0.01	447	33	0.65
EJMBQL2100CF	3/8"	10-100	7.4-73.8	0.1	477	33	0.68
EJMBQL3200CF	1/2"	20-200	14.8-148	0.1	529	40.5	0.75
EJMBQL3300CF	1/2"	30-300	22.1-221	0.1	597	40.5	0.82

*Unit is Lb.in



Display with backlight



Battery Replacement

ER Series Electronic Torque Wrench with Storage

ERM Model

Reversible Ratchet Head Torque Wrench

Bidirectional operation

ER Model (English Unit)



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
ERM120	1/4"	2-20	17.7-177*	0.01	393	28	0.8
ERM230	3/8"	3-30	26.6-266*	0.01	405	38	0.83
ERM250	3/8"	5-50	44.3-443*	0.01	445	38	0.92
ERM2100	3/8"	10-100	7.4-73.8	0.1	475	38	0.98
ERM3200	1/2"	20-200	14.8-148	0.1	515	40	1.1
ERM3300	1/2"	30-300	22.1-221	0.1	583	40	1.25
ERM4400	3/4"	40-400	29.5-295	0.1	800	56	3.3
ERM4600	3/4"	60-600	44.3-443	0.1	1050	60	4.6
ERM4800	3/4"	80-800	59.0-590	0.1	1250	60	5.2
ERM41000	3/4"	100-1000	73.8-738	0.1	1250	60	5.2
ERM51500	1"	150-1500	110-1100	1	1265	75	6.1
ERM52000	1"	200-2000	150-1500	1	1600	75	6.5

* Unit is Lb.in.

English

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		Lb.ft	N.m				
ER1200	1/4"	20-200*	2.3-22.6	0.1*	393	28	0.8
ER2250	3/8"	25-250*	2.8-28.2	0.1*	405	38	0.83
ER2450	3/8"	45-450*	5.1-50.8	0.1*	445	38	0.92
ER2100	3/8"	10-100	13.5-135	0.1	475	38	0.98
ER3150	1/2"	15-150	20.3-203	0.1	515	40	1.1
ER3250	1/2"	25-250	34.0-340	0.1	583	40	1.25

* Unit is Lb.in.

ERM_CF Model

Reversible Ratchet Head Torque Wrench

(with Carbon fiber tube)



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
ERM120CF	1/4"	2-20	17.7-177*	0.01	393	28	0.52
ERM230CF	3/8"	3-30	26.6-266*	0.01	405	38	0.54
ERM250CF	3/8"	5-50	44.3-443*	0.01	445	38	0.6
ERM2100CF	3/8"	10-100	7.4-73.8	0.1	475	38	0.64
ERM3200CF	1/2"	20-200	14.8-148	0.1	515	40	0.72
ERM3300CF	1/2"	30-300	22.1-221	0.1	583	40	0.82

* Unit is Lb.in.

ERMH Model

Rectangular Shank Head Holder Wrench

For rectangular shank head inserts

ERH Model (English Unit)



Metric

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
ERMH920	9×12	2-20	17.7-177*	0.01	377	24	0.77
ERMH930	9×12	3-30	26.6-266*	0.01	377	24	0.77
ERMH950	9×12	5-50	44.3-443*	0.01	417	24	0.85
ERMH9100	9×12	10-100	7.4-73.8	0.1	447	24	0.92
ERMH14200	14×18	20-200	14.8-148	0.1	493	32	1.05
ERMH14300	14×18	30-300	22.1-221	0.1	561	32	1.22
ERMH14400	14×18	40-400	29.5-295	0.1	780	32	3
ERMH24600	24×32	60-600	44.3-443	0.1	1050	56	4.5
ERMH24800	24×32	80-800	59.0-590	0.1	1250	56	5
ERMH241000	24×32	100-1000	73.8-738	0.1	1250	56	5.1

* Unit is Lb.in.

English

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		Lb.ft	N.m				
ERH9200	9×12	20-200*	2.3-22.6	0.1*	377	24	0.77
ERH9250	9×12	25-250*	2.8-28.2	0.1*	377	24	0.77
ERH9450	9×12	45-450*	5.1-50.8	0.1*	417	24	0.85
ERH9100	9×12	10-100	13.5-135	0.1	447	24	0.92
ERH14150	14×18	15-150	20.3-203	0.1	493	32	1.05
ERH14250	14×18	25-250	34.0-340	0.1	561	32	1.22

* Unit is Lb.in.

ERMH_CF Model

Rectangular Shank Head Holder Torque Wrench

(with Carbon fiber tube)



Metric

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
ERMH920CF	9×12	2-20	17.7-177*	0.01	377	24	0.51
ERMH930CF	9×12	3-30	26.6-266*	0.01	377	24	0.52
ERMH950CF	9×12	5-50	44.3-443*	0.01	417	24	0.55
ERMH9100CF	9×12	10-100	7.4-73.8	0.1	447	24	0.6
ERMH14200CF	14×18	20-200	14.8-148	0.1	493	32	0.68
ERMH14300CF	14×18	30-300	22.1-221	0.1	561	32	0.8

* Unit is Lb.in.



(Large Torque)

ERMBQL Model

Teardrop Ratchet Head Torque Wrench

Bidirectional with easy reverse lever

ERBQL Model (English Unit)



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
ERMBQL120	1/4"	2-20	17.7-177*	0.01	401	28	0.87
ERMBQL230	3/8"	3-30	26.6-266*	0.01	407	33	0.89
ERMBQL250	3/8"	5-50	44.3-443*	0.01	447	33	0.99
ERMBQL2100	3/8"	10-100	7.4-73.8	0.1	477	33	1.05
ERMBQL3200	1/2"	20-200	14.8-148	0.1	529	40.5	1.15
ERMBQL3300	1/2"	30-300	22.1-221	0.1	597	40.5	1.26
ERMBQL4400	3/4"	40-400	29.5-295	0.1	800	64	3.3
ERMBQL4600	3/4"	60-600	44.3-443	0.1	1050	64	4.6
ERMBQL4800	3/4"	80-800	59.0-590	0.1	1250	64	5.2
ERMBQL41000	3/4"	100-1000	73.8-738	0.1	1250	64	5.2

*Unit is Lb.in

English

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		Lb.ft	N.m				
ERBQL1200	1/4"	20-200*	2.3-22.6	0.1*	401	28	0.87
ERBQL2250	3/8"	25-250*	2.8-28.2	0.1*	407	33	0.89
ERBQL2450	3/8"	45-450*	5.1-50.8	0.1*	447	33	0.99
ERBQL2100	3/8"	10-100	13.5-135	0.1	477	33	1.05
ERBQL3150	1/2"	15-150	20.3-203	0.1	529	40.5	1.15
ERBQL3250	1/2"	25-250	34.0-340	0.1	597	40.5	1.26

*Unit is Lb.in

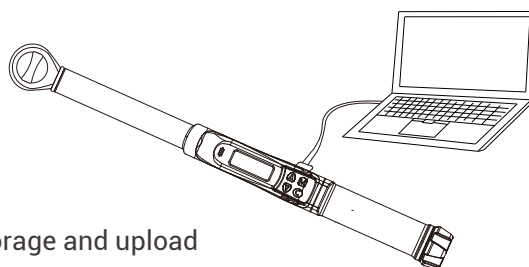
ERMBQL_CF Model Teardrop Ratchet Head Torque Wrench (with Carbon Fiber Tube)



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
ERMBQL120CF	1/4"	2-20	17.7-177*	0.01	401	28	0.58
ERMBQL230CF	3/8"	3-30	26.6-266*	0.01	407	33	0.59
ERMBQL250CF	3/8"	5-50	44.3-443*	0.01	447	33	0.65
ERMBQL2100CF	3/8"	10-100	7.4-73.8	0.1	477	33	0.68
ERMBQL3200CF	1/2"	20-200	14.8-148	0.1	529	40.5	0.75
ERMBQL3300CF	1/2"	30-300	22.1-221	0.1	597	40.5	0.82

*Unit is Lb.in



Data storage and upload

Ratio Function: When using non-standard heads, simply set the coefficient once, the wrench will display actual torque on the screen.

See "Calculation of Using Non-Standard Inserts" on Page 76.

EA Series Electronic Torque Wrench with Angle

EAM Model

Reversible Ratchet Head Torque Wrench

Bidirectional operation

EA Model (English Unit)



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EAM120	1/4"	2-20	17.7-177*	0.01	393	28	0.8
EAM230	3/8"	3-30	26.6-266*	0.01	405	38	0.83
EAM250	3/8"	5-50	44.3-443*	0.01	445	38	0.92
EAM2100	3/8"	10-100	7.4-73.8	0.1	475	38	0.98
EAM3200	1/2"	20-200	14.8-148	0.1	515	40	1.1
EAM3300	1/2"	30-300	22.1-221	0.1	583	40	1.25
EAM4400	3/4"	40-400	29.5-295	0.1	800	56	3.3
EAM4600	3/4"	60-600	44.3-443	0.1	1050	60	4.6
EAM4800	3/4"	80-800	59.0-590	0.1	1250	60	5.2
EAM41000	3/4"	100-1000	73.8-738	0.1	1250	60	5.2
EAM51500	1"	150-1500	110-1100	1	1265	75	6.1
EAM52000	1"	200-2000	150-1500	1	1600	75	6.5

* Unit is Lb.in.

English

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		Lb.ft	N.m				
EA1200	1/4"	20-200*	2.3-22.6	0.1*	393	28	0.8
EA2250	3/8"	25-250*	2.8-28.2	0.1*	405	38	0.83
EA2450	3/8"	45-450*	5.1-50.8	0.1*	445	38	0.92
EA2100	3/8"	10-100	13.5-135	0.1	475	38	0.98
EA3150	1/2"	15-150	20.3-203	0.1	515	40	1.1
EA3250	1/2"	25-250	34.0-340	0.1	583	40	1.25

* Unit is Lb.in.

EAM_CF Model

Reversible Ratchet Head Torque Wrench

(with Carbon fiber tube)



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EAM120CF	1/4"	2-20	17.7-177*	0.01	393	28	0.52
EAM230CF	3/8"	3-30	26.6-266*	0.01	405	38	0.54
EAM250CF	3/8"	5-50	44.3-443*	0.01	445	38	0.6
EAM2100CF	3/8"	10-100	7.4-73.8	0.1	475	38	0.64
EAM3200CF	1/2"	20-200	14.8-148	0.1	515	40	0.72
EAM3300CF	1/2"	30-300	22.1-221	0.1	583	40	0.82

* Unit is Lb.in.

EAMH Model

Rectangular Shank Head Holder Torque Wrench

For rectangular shank head inserts

EAH Model (English Unit)



Metric

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EAMH920	9×12	2-20	17.7-177*	0.01	377	24	0.77
EAMH930	9×12	3-30	26.6-266*	0.01	377	24	0.77
EAMH950	9×12	5-50	44.3-443*	0.01	417	24	0.85
EAMH9100	9×12	10-100	7.4-73.8	0.1	447	24	0.92
EAMH14200	14×18	20-200	14.8-148	0.1	493	32	1.05
EAMH14300	14×18	30-300	22.1-221	0.1	561	32	1.22
EAMH14400	14×18	40-400	29.5-295	0.1	780	32	3
EAMH24600	24×32	60-600	44.3-443	0.1	1050	56	4.5
EAMH24800	24×32	80-800	59.0-590	0.1	1250	56	5
EAMH241000	24×32	100-1000	73.8-738	0.1	1250	56	5.1

* Unit is Lb.in.

English

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		Lb.ft	N.m				
EAH9200	9×12	20-200*	2.3-22.6	0.1*	377	24	0.77
EAH9250	9×12	25-250*	2.8-28.2	0.1*	377	24	0.77
EAH9450	9×12	45-450*	5.1-50.8	0.1*	417	24	0.85
EAH9100	9×12	10-100	13.5-135	0.1	447	24	0.92
EAH14150	14×18	15-150	20.3-203	0.1	493	32	1.05
EAH14250	14×18	25-250	34.0-340	0.1	561	32	1.22

* Unit is Lb.in.

EAMH_CF Model

Rectangular Shank Head Holder Torque Wrench

(with Carbon fiber tube)



Metric

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EAMH920CF	9×12	2-20	17.7-177*	0.01	377	24	0.51
EAMH930CF	9×12	3-30	26.6-266*	0.01	377	24	0.52
EAMH950CF	9×12	5-50	44.3-443*	0.01	417	24	0.55
EAMH9100CF	9×12	10-100	7.4-73.8	0.1	447	24	0.6
EAMH14200CF	14×18	20-200	14.8-148	0.1	493	32	0.68
EAMH14300CF	14×18	30-300	22.1-221	0.1	561	32	0.8

* Unit is Lb.in.



(Large Torque)

EAMBQL Model

Teardrop Ratchet Head Torque Wrench

Bidirectional with easy reverse lever

EABQL Model (English Unit)



Metric

Item No.	Square Drive	Torque Range		Increment	Length		Weight
		N.m	Lb.ft		mm	mm	
EAMBQL120	1/4"	2-20	17.7-177*	0.01	401	28	0.87
EAMBQL230	3/8"	3-30	26.6-266*	0.01	407	33	0.89
EAMBQL250	3/8"	5-50	44.3-443*	0.01	447	33	0.99
EAMBQL2100	3/8"	10-100	7.4-73.8	0.1	477	33	1.05
EAMBQL3200	1/2"	20-200	14.8-148	0.1	529	40.5	1.15
EAMBQL3300	1/2"	30-300	22.1-221	0.1	597	40.5	1.26
EAMBQL4400	3/4"	40-400	29.5-295	0.1	800	64	3.3
EAMBQL4600	3/4"	60-600	44.3-443	0.1	1050	64	4.6
EAMBQL4800	3/4"	80-800	59.0-590	0.1	1250	64	5.2
EAMBQL41000	3/4"	100-1000	73.8-738	0.1	1250	64	5.2

*Unit is Lb.in

English

Item No.	Square Drive	Torque Range		Increment	Length		Weight
		Lb.ft	N.m		mm	mm	
EABQL1200	1/4"	20-200*	2.3-22.6	0.1*	401	28	0.87
EABQL2250	3/8"	25-250*	2.8-28.2	0.1*	407	33	0.89
EABQL2450	3/8"	45-450*	5.1-50.8	0.1*	447	33	0.99
EABQL2100	3/8"	10-100	13.5-135	0.1	477	33	1.05
EABQL3150	1/2"	15-150	20.3-203	0.1	529	40.5	1.15
EABQL3250	1/2"	25-250	34.0-340	0.1	597	40.5	1.26

*Unit is Lb.in

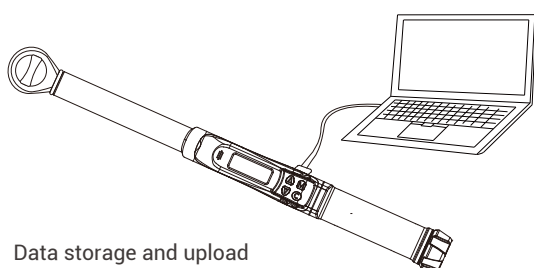
EAMBQL_CF Model Teardrop Ratchet Head Torque Wrench (with Carbon Fiber Tube)



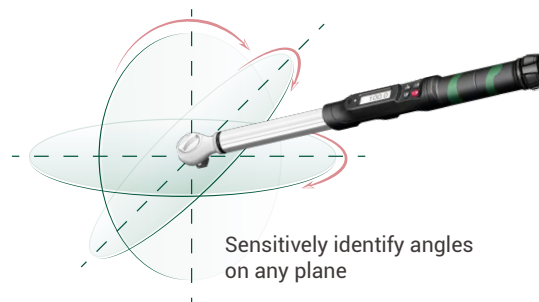
Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
EAMBQL120CF	1/4"	2-20	17.7-177*	0.01	401	28	0.58
EAMBQL230CF	3/8"	3-30	26.6-266*	0.01	407	33	0.59
EAMBQL250CF	3/8"	5-50	44.3-443*	0.01	447	33	0.65
EAMBQL2100CF	3/8"	10-100	7.4-73.8	0.1	477	33	0.68
EAMBQL3200CF	1/2"	20-200	14.8-148	0.1	529	40.5	0.75
EAMBQL3300CF	1/2"	30-300	22.1-221	0.1	597	40.5	0.82

*Unit is Lb.in



Data storage and upload



Sensitively identify angles on any plane

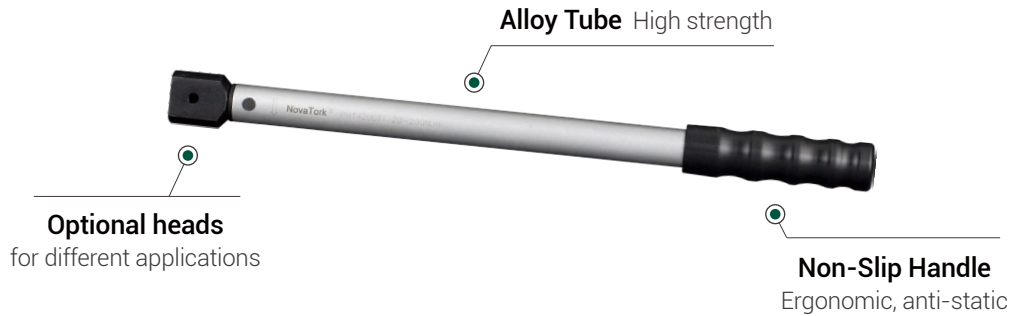
Ratio Function: When using non-standard heads, simply set the coefficient once, the wrench will display actual torque on the screen.

See "Calculation of Using Non-Standard Inserts" on Page 76.

Function Comparison of Electronic Torque Wrenches

		EJ model	ER model	EA model
		Basic version	with Storage & Ratio	with Angle function
Torque units		3 Units: Nm, Lbin, Lbft	4 Units: Nm, Lbin, Lbft, Kgm	4 Units: Nm, Lbin, Lbft, Kgm
Test modes		Peak, Track	Peak, Track	Peak, Track
Test types	Peak torque	✓	✓	✓
	Peak angle	-	-	✓
	Torque + angle	-	-	✓
Target value can be set		✓	✓	✓
Audible and visual alarm upon target reached		✓	✓	✓
Peak value hold function		✓	✓	✓
Auto-reset during continuous use		✓	✓	✓
Screen backlight		✓	✓	✓
Torque error% display		✓	✓	✓
Battery level display		✓	✓	✓
Memory function of 1000 sets of data		-	✓	✓
Upload data to computer by USB port		-	✓	✓
Unique Ratio function for non-standard heads		-	✓	✓
Automatic shut off		✓	✓	✓
3 Pcs AAA batteries, easy replacement		✓	✓	✓

PC Series Preset (Click) Torque Wrench



- Accuracy: $\pm 4\%$ in clockwise direction from 20% to 100% of capacity.
- Torque can be precisely adjusted with a torque tester and a dedicated adjusting tool.
- Torque settings are mechanically fixed for field use, eliminating accidental adjustments.
- Heads designed for various applications:
 - PC (P C_S mini size) model: Reversible ratchet head for both clockwise and counterclockwise operation.
 - PCH (PCH_S mini size) model: Rectangular shank head holder compatible with 9x12, 14x18, 24x32, 27x36mm inserts.

PC Model Reversible Ratchet Head Torque Wrench

Bidirectional operation



Metric

Item No.	Square Drive	Torque Range		Length	Width	Weight
		N.m	Lb.ft	mm	mm	kg
PC112	1/4"	2.5-12	20-105*	184	30	0.45
PC120	1/4"	4-20	30-180*	184	30	0.45
PC230	3/8"	6-30	50-250*	214	37	0.5
PC260	3/8"	10-60	9.0-45	255	38	0.56
PC2125	3/8"	25-125	20-90	366	38	0.79
PC3200	1/2"	40-200	30-150	457	40	1.2
PC3340	1/2"	65-340	50-250	691	40	1.96
PC4500	3/4"	100-500	80-400	915	57	2.8
PC4650	3/4"	150-650	100-500	915	57	2.8
PC4800	3/4"	160-800	120-600	1030	60	5
PC41000	3/4"	200-1000	150-750	1260	60	6
PC51000	1"	200-1000	150-750	1260	60	6
PC51500	1"	300-1500	200-1100	1610	60	8
PC52000	1"	400-2000	300-1500	1910	60	9.5
PC53000	1"	600-3000	400-2200	2010	60	9.9

* Unit is Lb.in.

PCH Model Rectangular Shank Head Holder Torque Wrench

For rectangular shank head inserts



Metric

Item No.	Shank Size	Torque Range		Length	Width	Weight
	mm	N.m	Lb.ft	mm	mm	kg
PCH920	9X12	4-20	30-180*	155	28	0.24
PCH925	9X12	5-25	45-225*	178	28	0.28
PCH935	9X12	7-35	60-300*	205	20	0.34
PCH950	9X12	10-50	8.0-40	240	28	0.4
PCH960	9X12	10-60	9.0-45	240	28	0.4
PCH985	9X12	15-85	12-60	310	28	0.51
PCH9120	9X12	25-120	20-90	355	28	0.6
PCH9180T1	9X12	36-180	26-130	600	22	1.2
PCH14200	14X18	40-200	30-150	417.5	32	0.86
PCH14300	14X18	50-300	40-225	681.5	32	1.3
PCH14340	14X18	60-340	50-250	681.5	32	1.3
PCH24500	24X32	100-500	80-400	910	56	2.3
PCH24650	24X32	150-650	100-500	1030	56	2.56
PCH24800	24X32	160-800	120-600	1030	56	4.8
PCH241000	24X32	200-1000	150-750	1260	56	5.7
PCH271500	27X36	300-1500	200-1100	1610	64	7.8
PCH272000	27X36	400-2000	300-1500	1910	64	9.2
PCH273000	27X36	600-3000	400-2200	2010	64	9.6

* Unit is Lb.in.

PC_S Model Mini size of PC model



Metric

Item No.	Square Drive	Torque Range		Length mm	Width mm	Weight kg
		N.m	Lb.in			
PC15S	1/4"	1-5	10-45	162	29	0.25
PC110S	1/4"	2-10	20-90	173	29	0.26
PC115S	1/4"	3-15	30-140	183	29	0.28

PCH_S Model Mini size of PCH model



Metric

Item No.	Shank Size mm	Torque Range		Length mm	Width mm	Weight kg
		N.m	Lb.in			
PCH95S	9X12	1-5	10-45	145	22	0.22
PCH910S	9X12	2-10	20-90	155	22	0.23
PCH915S	9X12	3-15	30-140	165	22	0.25
PCH940S	9X12	8-40	70-350	233	22	0.38

The dedicated adjusting tool can be purchased separately according to this table:

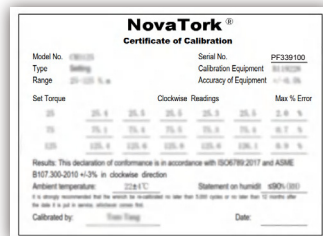
Series	Item No.	Dedicated Adjusting Tool
PC	All	DC.Q6231
PCH	PCH920, PCH925, PCH950, PCH960, PCH985, PCH9120	DC.Q6232
	The rest	DC.Q6231
PC_S	All	DC.Q6230
PCH_S	All	DC.Q6230



Torque Adjusting Tool

100% Calibrated

Unique serial number for each torque wrench, corresponding to the certificate of calibration



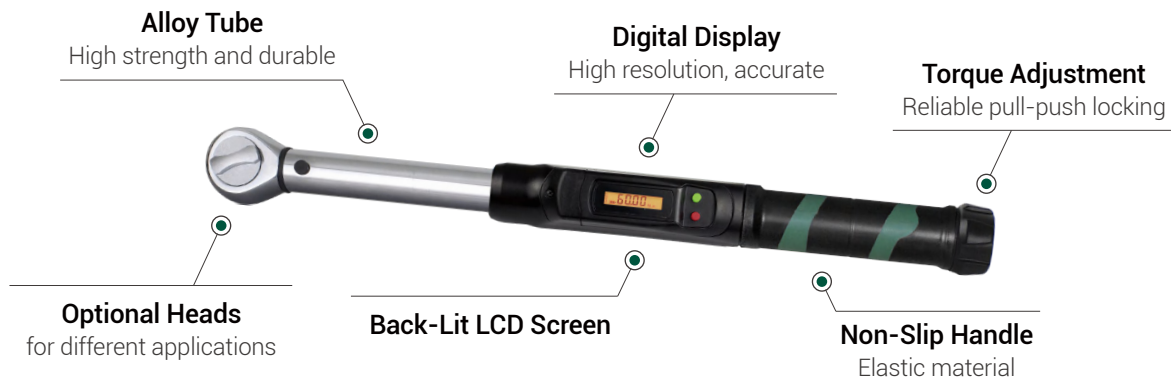
Shockproof packaging

Specially designed for all series of "NovaTork" torque products

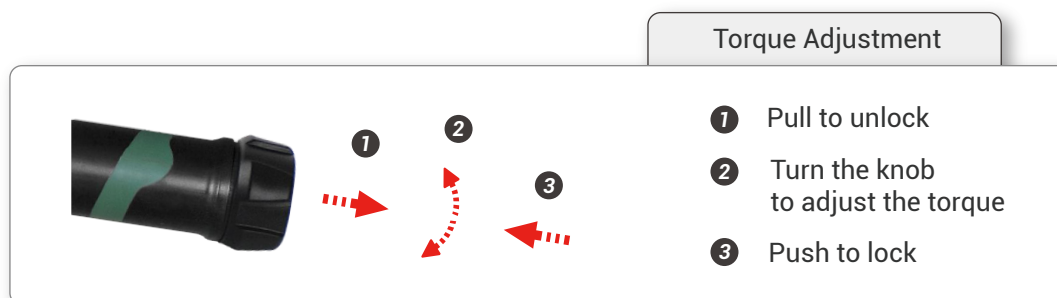
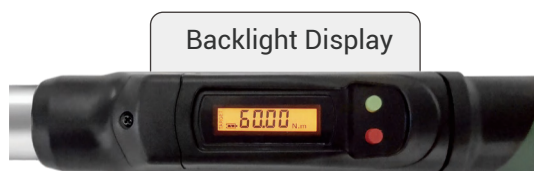


(Front Hollow Pipe)

DC Series Digi-Click Mechanical Torque Wrench



- Accuracy: $\pm 4\%$ of reading in clockwise direction.
- Set torque is displayed on back-lit LCD screen, and the increment is 0.1 of unit.
- Lowest torque value is 10% of capacity.
- 4 Torque units: N.m, Lb.ft, Lb.in, Kg.cm.
- For operators who are used to using mechanical "Click" torque wrenches, the alarm of "Click" is maintained.
- Push-pull end cap to secure the set torque value from accidental change.
- Heads designed for various applications:
 - DCM model: Reversible ratchet head for both clockwise and counterclockwise operation.
 - DCMH model: Rectangular shank head holder compatible with 9x12, 14x18mm inserts.



DCM Model

Reversible Ratchet Head Torque Wrench

Bidirectional Operation



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
DCM260	3/8"	6-60	4.5-45	0.1	382	41	1.3
DCM2100	3/8"	10-100	7.4-74	0.1	450	45	1.4
DCM3140	1/2"	14-140	10.5-105	0.1	481	45	1.45
DCM3200	1/2"	20-200	14.7-147	0.1	520	45	1.6
DCM3300	1/2"	30-300	22-220	0.1	585	45	1.8

DCMH Model

Rectangular Shank Head Holder Torque Wrench

For rectangular shank head inserts

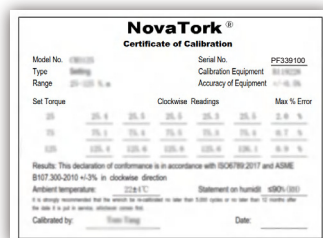


Metric

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
DCMH960	9x12	6-60	4.5-45	0.1	408	41	1.3
DCMH9100	9x12	10-100	7.4-74	0.1	431	41	1.4
DCMH14140	14x18	14-140	10.5-105	0.1	485.5	41	1.45
DCMH14200	14x18	20-200	14.7-147	0.1	503.5	41	1.5
DCMH14300	14x18	30-300	22-220	0.1	561.5	41	1.7

100% Calibrated

Unique serial number for each torque wrench, corresponding to the certificate of calibration

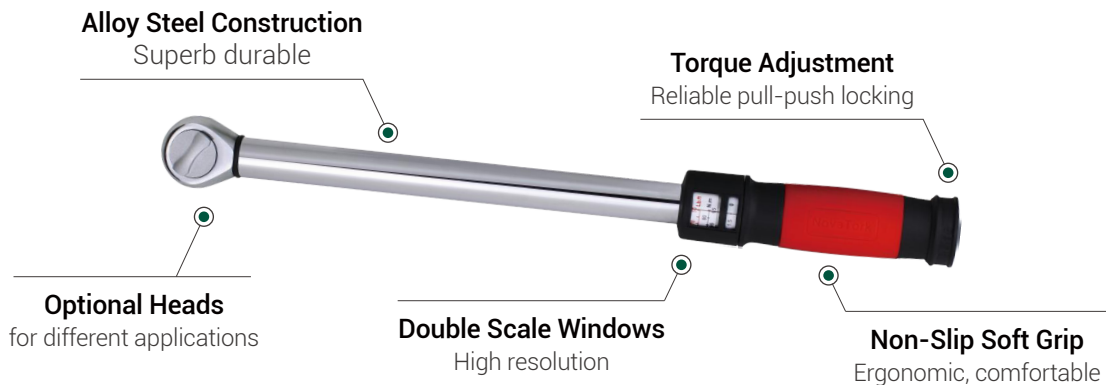


Shockproof packaging

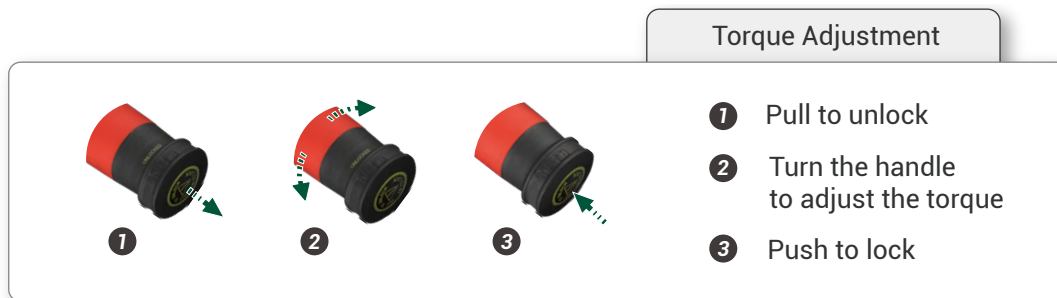
Specially designed for all series of "NovaTork" torque products



C Series Dual-window Scale Adjustable (Click) Torque Wrench



- Accuracy: $\pm 4\%$ in clockwise direction from 20% to 100% of capacity.
- Unique dual-window scale for clear readings.
- Main scale with 1/20 unit resolution for high-precision adjustments.
- Dual-unit scales (Metric & English) for versatile measurements.
- Push-pull end cap to secure the set torque value from accidental change.
- Ergonomic non-slip soft grip reduces fatigue during prolonged use.
- Heads designed for various applications:
 - CM/C model: Reversible ratchet head for both clockwise and counterclockwise operation.
 - CMH/CH model: Rectangular shank head holder compatible with 9x12, 14x18, 24x32, 27x36mm inserts.
 - CMR model: Round head holder compatible with $\varnothing 16$, $\varnothing 22$ mm inserts.



100% Calibrated

Unique serial number for each torque wrench, corresponding to the certificate of calibration

NovaTork® Certificate of Calibration					
Model No.	4300100	Serial No.	PF332100		
Type	Setting	Calibration Equipment	50100000		
Range	20-100 N.m	Accuracy of Equipment	$\pm 0.1\%$		
Set Torque	Clockwise Readings			Max % Error	
25	25.6	25.5	25.9	25.5	2.4 %
50	50.5	50.6	50.8	50.6	0.7 %
100	100.6	100.6	100.9	100.6	0.9 %
Results: This declaration of conformance is in accordance with ISO/IEC 17025 and ASME B187.305-2010 $\pm 3\%$ in clockwise direction					
Ambient temperature: 22.8 °C					
Statement on human safety: (ISO 10011) It is strongly recommended that the device be recalibrated no later than 1200 days or no later than 12 months after the date it is put in service, whichever occurs first.					
Calibrated by:	Tosco Torgo		Date:		

Shockproof packaging

Specially designed for all series of "NovaTork" torque products



CM Model

Reversible Ratchet Head Torque Wrench

Bidirectional operation

C Model (English Unit)



Metric

Item No.	Square Drive	Torque Range		Increment	Length			Weight
		N.m	Lb.ft		mm	mm	kg	
CM1012	1/4"	2.5-12	20-105*	0.025	285	38	0.54	
CM1020	1/4"	4.0-20	30-180*	0.05	285	38	0.54	
CM2030	3/8"	6.0-30	50-250*	0.075	313	38	0.68	
CM3030	1/2"	6.0-30	50-250*	0.075	313	38	0.68	
CM2060	3/8"	10-60	9-45	0.25	383	38	0.82	
CM3060	1/2"	10-60	9-45	0.25	383	38	0.82	
CM2100	3/8"	20-100	15-75	0.25	438	38	0.9	
CM3100	1/2"	20-100	15-75	0.25	438	38	0.9	
CM2125	3/8"	25-125	20-90	0.25	438	38	0.9	
CM3125	1/2"	25-125	20-90	0.25	438	38	0.9	
CM3200	1/2"	40-200	30-150	0.5	463	40	1.02	
CM3335	1/2"	65-335	50-250	0.75	523	40	1.16	
CM3400	1/2"	80-400	60-300	2	700	40	1.65	
CM4335	3/4"	65-335	50-250	0.75	523	40	1.2	
CM4500	3/4"	100-500	80-400	1.25	840	60	4.04	
CM4800	3/4"	160-800	120-600	2	1040	60	4.93	
CM5800	1"	160-800	120-600	2	1040	60	4.93	
CM41200	3/4"	250-1200	200-900	2.5	1040	60	4.93	
CM51000	1"	200-1000	150-750	2.5	1040	60	4.93	
CM51500	1"	300-1500	200-1100	3	1250	75	8.2	
CM52000	1"	400-2000	300-1500	5	1250	75	8.2	
CM53000	1"	600-3000	400-2200	7.5	1250	75	9.5	
CM3200L	1/2"	40-200	30-150	0.5	525	40	1.14	
CM3335L	1/2"	65-335	50-250	0.75	700	40	1.95	
CM4335L	3/4"	65-335	50-250	0.75	700	40	2	
CM3100S	1/2"	20-100	15-75	0.25	360	38	0.74	
CM4400S	3/4"	80-400	60-300	1	700	57	2.58	
CM4500S	3/4"	100-500	80-400	1.25	700	57	2.6	

* Unit is Lb.in; L is extended length version; S is shortened length version.

English

Item No.	Square Drive	Torque Range		Increment	Length			Weight
		Lb.ft	N.m		mm	mm	kg	
C1200	1/4"	40-200*	4.0-22	0.50*	273	38	0.58	
C2250	3/8"	50-250*	6.0-30	0.50*	314	38	0.68	
C2100	3/8"	20-100	25-135	0.25	420	38	0.99	
C3100	1/2"	20-100	25-135	0.25	420	38	1	
C3150	1/2"	30-150	40-200	0.5	462	40	1.02	
C3250	1/2"	50-250	70-340	0.5	525	40	1.16	
C4250	3/4"	50-250	70-340	0.5	525	40	1.2	
C4400	3/4"	80-400	100-550	1	840	60	4.04	
C4600	3/4"	100-600	150-800	1.25	1040	60	4.93	
C5600	1"	100-600	150-800	1.25	1040	60	4.93	
C3250L	1/2"	50-250	70-340	0.5	700	40	1.95	
C4250L	3/4"	50-250	70-340	0.5	700	40	2	

* Unit is Lb.in; L is extended length version.

(Cont'd from Right)

Item No.	Round Hole	Torque Range		Increment	Length			Weight
		N.m	Lb.ft		mm	mm	kg	
CMR16335L	φ16	65-335	50-250	0.75	690	38	1.85	

* Unit is Lb.in; L is extended length version.

CMH Model

Rectangular Shank Head Holder Torque Wrench

For rectangular shank head inserts

CH Model (English Unit)



Metric

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft		mm	mm	kg
CMH912	9x12	2.5-12	20-105*	0.025	279	38	0.44
CMH920	9x12	4.0-20	30-180*	0.05	279	38	0.44
CMH930	9x12	6.0-30	50-250*	0.075	298	38	0.58
CMH960	9x12	10-60	9-45	0.25	367	38	0.72
CMH9100	9x12	20-100	15-75	0.25	422	38	0.8
CMH9125	9x12	25-125	20-90	0.25	422	38	0.8
CMH14200	14x18	40-200	30-150	0.5	448.5	38	0.92
CMH14335	14x18	65-335	50-250	0.75	508.5	38	1.1
CMH14400	14x18	80-400	60-300	2	700	35	2.02
CMH24500	24x32	100-500	80-400	1.25	840	56	4.04
CMH24800	24x32	160-800	120-600	2	1040	56	4.93
CMH241000	24x32	200-1000	150-750	2.5	1040	56	4.93
CMH271500	27x36	300-1500	200-1100	3	1250	64	8
CMH272000	27x36	400-2000	300-1500	5	1250	64	8
CMH273000	27x36	600-3000	400-2200	7.5	1250	64	9.3
CMH14335L	14x18	65-335	50-250	0.75	695	38	1.85
CMH24400S	24x28	80-400	60-300	1	700	56	2.6
CMH24500S	24x32	100-500	80-400	1.25	700	56	2.75

* Unit is Lb.in; L is extended length version; S is shortened length version.

English

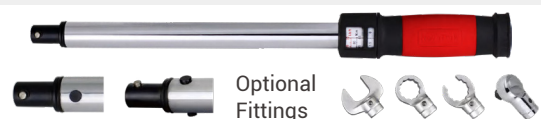
Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		Lb.ft	N.m		mm	mm	kg
CH9200	9x12	40-200*	4.0-22	0.50*	260	38	0.44
CH9250	9x12	50-250*	6.0-30	0.50*	295	38	0.58
CH9100	9x12	20-100	25-135	0.25	405	38	0.8
CH14150	14x18	30-150	40-200	0.5	448.5	38	0.92
CH14250	14x18	50-250	70-340	0.5	508.5	38	1.06
CH24400	24x32	80-400	100-550	1	840	56	4.04
CH24600	24x32	100-600	150-800	1.25	1040	56	4.93
CH14250L	14x18	50-250	70-340	0.5	695	38	1.85

* Unit is Lb.in; L is extended length version.

CMR Model

Round Head Holder Torque Wrench

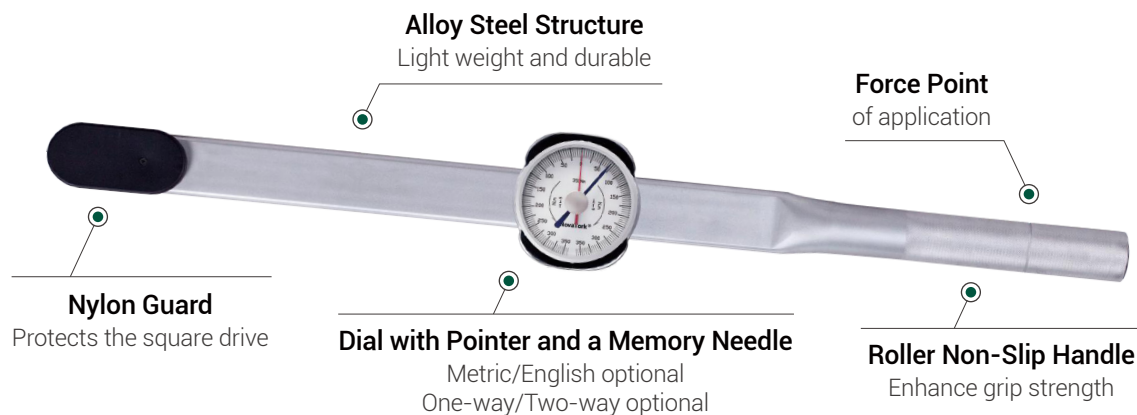
For round hole inserts



Metric

Item No.	Round Hole	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft		mm	mm	kg
CMR1612	φ16	2.5-12	20-105*	0.025	283	38	0.44
CMR1620	φ16	4.0-20	30-180*	0.05	283	38	0.44
CMR1630	φ16	6.0-30	50-250*	0.075	302	38	0.58
CMR1660	φ16	10-60	9-45	0.25	371	38	0.72
CMR16125	φ16	25-125	20-90	0.25	426	38	0.8
CMR16200	φ16	40-200	30-150	0.5	450	38	0.92
CMR16335	φ16	65-335	50-250	0.75	510	38	1.06
CMR22500	φ22	100-500	80-400	1.25	790	38	3.3
CMR22800	φ22	160-800	120-600	2	990	38	4.2
CMR221000	φ22	200-1000	150-750	2.5	990	38	4.2

DS Series Dial Torque Wrench



- Accuracy: $\pm 3\%$ from 20% to 100% of capacity.
($\pm 4\%$ accuracy for wrenches with capacities above 400N.m).
- Alloy steel structure, light weight and more durable.
- Two models designed for different applications:
 - DSM/DS model: One-way dial torque wrench, clockwise operation only, toggle between Metric/English scales by rotating the dial 180°.
 - DSM-D/DS-D model: Two-way dial torque wrench, can be operated in clockwise or counterclockwise direction with Metric or English scale.

Memory Needle



- Peak torque holding function with included memory needle.

Protection of Dial and Wrench Head



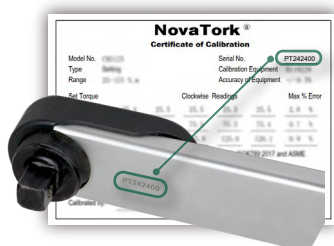
- Metal guard protects dial mechanism.



- Plastic guard protects the square drive.

100% Calibrated

Unique serial number for each torque wrench, corresponding to the certificate of calibration



Shockproof packaging

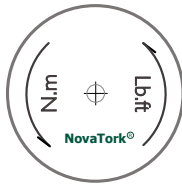
Specially designed for all series of "NovaTork" torque products



DSM / DS Model

One-Way Dial Torque Wrench

Clockwise operation only, toggle between Metric/English scales by rotating the dial 180°

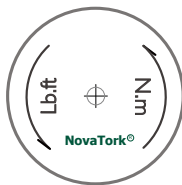


Metric

Item No.	Square Drive	Torque Range		Increment		Length mm	Width mm	Weight kg	Extension
		N.m	Lb.ft	N.m	Lb.ft				
DSM12	1/4"	0.4-2	3.6-18*	0.025	0.2*	310	37	0.57	-
DSM13	1/4"	0.6-3	4.9-24.5*	0.04	0.35*	310	37	0.57	-
DSM16	1/4"	1.2-6	10-50*	0.075	0.625*	310	37	0.57	-
DSM18	1/4"	1.6-8	14-70*	0.1	1*	310	37	0.57	-
DSM212	3/8"	2.4-12	20-100*	0.15	1.25*	310	37	0.57	-
DSM217.5	3/8"	3.5-17.5	30-150*	0.25	2*	310	37	0.57	-
DSM220	3/8"	4-20	36-180*	0.25	2*	310	37	0.57	-
DSM225	3/8"	5.0-25	44-220*	0.25	2*	310	37	0.57	-
DSM230	3/8"	6-30	50-250*	0.4	2.5*	310	37	0.57	-
DSM235	3/8"	7.0-35	60-300*	0.5	4*	400	37	0.76	-
DSM240	3/8"	8-40	70-350*	0.5	5*	400	37	0.76	-
DSM250	3/8"	10-50	7.0-35	0.5	0.5	400	37	0.76	-
DSM260	3/8"	12-60	9.0-45	0.75	0.5	400	37	0.76	-
DSM3100	1/2"	20-100	14-70	1	1	480	37	0.91	-
DSM3120	1/2"	24-120	18-90	1.5	1	480	37	0.91	-
DSM3140	1/2"	28-140	20-100	2	1	480	37	0.91	-
DSM3200	1/2"	40-200	30-150	2.5	2	550	37	1.05	-
DSM3250	1/2"	50-250	36-180	2.5	2	550	37	1.05	-
DSM3280	1/2"	56-280	40-200	4	2.5	550	37	1.05	-
DSM3350	1/2"	70-350	50-250	5	2.5	550	37	1.05	-
DSM4400	3/4"	80-400	60-300	5	4	818	59	3.4	-
DSM4500	3/4"	100-500	70-350	5	5	818	59	3.4	-
DSM4600	3/4"	120-600	90-450	7.5	5	1192	59	6.4	1
DSM4800	3/4"	160-800	120-600	10	7.5	1192	59	6.4	1
DSM41000	3/4"	200-1000	140-700	10	10	1192	59	6.4	1
DSM51400	1"	280-1400	200-1000	20	10	1620	59	8.8	1
DSM52000	1"	400-2000	300-1500	25	20	1620	59	8.8	1

* Unit is Lb.in.

English



Item No.	Square Drive	Torque Range		Increment		Length mm	Width mm	Weight kg	Extension
		Lb.ft	N.m	Lb.ft	N.m				
DS118	1/4"	3.6-18*	0.4-2	0.2*	0.025	310	37	0.57	-
DS124.5	1/4"	4.9-24.5*	0.6-3	0.35*	0.04	310	37	0.57	-
DS150	1/4"	10-50*	1.2-6	0.625*	0.075	310	37	0.57	-
DS170	1/4"	14-70*	1.6-8	1*	0.1	310	37	0.57	-
DS2100	3/8"	20-100*	2.4-12	1.25*	0.15	310	37	0.57	-
DS2150	3/8"	30-150*	3.5-17.5	2*	0.25	310	37	0.57	-
DS2180	3/8"	36-180*	4-20	2*	0.25	310	37	0.57	-
DS2220	3/8"	44-220*	5.0-25	2*	0.25	310	37	0.57	-
DS2250	3/8"	50-250*	6-30	2.5*	0.4	310	37	0.57	-
DS2300	3/8"	60-300*	7.0-35	4*	0.5	400	37	0.76	-
DS2350	3/8"	70-350*	8-40	5*	0.5	400	37	0.76	-
DS235	3/8"	7.0-35	10-50	0.5	0.5	400	37	0.76	-
DS245	3/8"	9.0-45	12-60	0.5	0.75	400	37	0.76	-
DS370	1/2"	14-70	20-100	1	1	480	37	0.91	-
DS390	1/2"	18-90	24-120	1	1.5	480	37	0.91	-
DS3100	1/2"	20-100	28-140	1	2	480	37	0.91	-
DS3150	1/2"	30-150	40-200	2	2.5	550	37	1.05	-
DS3180	1/2"	36-180	50-250	2	2.5	550	37	1.05	-
DS3200	1/2"	40-200	56-280	2.5	4	550	37	1.05	-
DS3250	1/2"	50-250	70-350	2.5	5	550	37	1.05	-
DS4300	3/4"	60-300	80-400	4	5	818	59	3.4	-
DS4350	3/4"	70-350	100-500	5	5	818	59	3.4	-
DS4450	3/4"	90-450	120-600	5	7.5	1192	59	6.4	1
DS4600	3/4"	120-600	160-800	7.5	10	1192	59	6.4	1
DS4700	3/4"	140-700	200-1000	10	10	1192	59	6.4	1
DS51000	1"	200-1000	280-1400	10	20	1620	59	8.8	1
DS51500	1"	300-1500	400-2000	20	25	1620	59	8.8	1

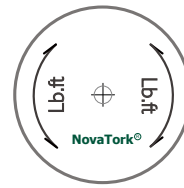
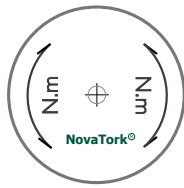
* Unit is Lb.in.

Note: The dial scale starts at 0, however the torque adjustment range is as shown in the table above.

DSM-D / DS-D Model

Two-Way Dial Torque Wrench

Bidirectional operation with Metric or English scale



Metric

Item No.	Square Drive	Torque Range N.m	Increment N.m	Length mm	Width mm	Weight kg	Extension
DSM12-D	1/4"	0.4-2	0.025	310	37	0.57	-
DSM13-D	1/4"	0.6-3	0.04	310	37	0.57	-
DSM16-D	1/4"	1.2-6	0.075	310	37	0.57	-
DSM18-D	1/4"	1.6-8	0.1	310	37	0.57	-
DSM212-D	3/8"	2.4-12	0.15	310	37	0.57	-
DSM217.5-D	3/8"	3.5-17.5	0.25	310	37	0.57	-
DSM220-D	3/8"	4-20	0.25	310	37	0.57	-
DSM225-D	3/8"	5.0-25	0.25	310	37	0.57	-
DSM230-D	3/8"	6-30	0.4	310	37	0.57	-
DSM235-D	3/8"	7.0-35	0.5	400	37	0.76	-
DSM240-D	3/8"	8-40	0.5	400	37	0.76	-
DSM250-D	3/8"	10-50	0.5	400	37	0.76	-
DSM260-D	3/8"	12-60	0.75	400	37	0.76	-
DSM3100-D	1/2"	20-100	1	480	37	0.91	-
DSM3120-D	1/2"	24-120	1.5	480	37	0.91	-
DSM3140-D	1/2"	28-140	2	480	37	0.91	-
DSM3200-D	1/2"	40-200	2.5	550	37	1.05	-
DSM3250-D	1/2"	50-250	2.5	550	37	1.05	-
DSM3280-D	1/2"	56-280	4	550	37	1.05	-
DSM3350-D	1/2"	70-350	5	550	37	1.05	-
DSM4400-D	3/4"	80-400	5	818	59	3.4	-
DSM4500-D	3/4"	100-500	5	818	59	3.4	-
DSM4600-D	3/4"	120-600	7.5	1192	59	6.4	1
DSM4800-D	3/4"	160-800	10	1192	59	6.4	1
DSM41000-D	3/4"	200-1000	10	1192	59	6.4	1
DSM51400-D	1"	280-1400	20	1620	59	8.8	1
DSM52000-D	1"	400-2000	25	1620	59	8.8	1

English

Item No.	Square Drive	Torque Range Lb.ft	Increment Lb.ft	Length mm	Width mm	Weight kg	Extension
DS118-D	1/4"	3.6-18*	0.2*	310	37	0.57	-
DS124.5-D	1/4"	4.9-24.5*	0.35*	310	37	0.57	-
DS150-D	1/4"	10-50*	0.625*	310	37	0.57	-
DS170-D	1/4"	14-70*	1*	310	37	0.57	-
DS2100-D	3/8"	20-100*	1.25*	310	37	0.57	-
DS2150-D	3/8"	30-150*	2*	310	37	0.57	-
DS2180-D	3/8"	36-180*	2*	310	37	0.57	-
DS2220-D	3/8"	44-220*	2*	310	37	0.57	-
DS2250-D	3/8"	50-250*	2.5*	310	37	0.57	-
DS2300-D	3/8"	60-300*	4*	400	37	0.76	-
DS2350-D	3/8"	70-350*	5*	400	37	0.76	-
DS235-D	3/8"	7.0-35	0.5	400	37	0.76	-
DS245-D	3/8"	9.0-45	0.5	400	37	0.76	-
DS375-D	1/2"	14-70	1	480	37	0.91	-
DS390-D	1/2"	18-90	1	480	37	0.91	-
DS3100-D	1/2"	20-100	1	480	37	0.91	-
DS3150-D	1/2"	30-150	2	550	37	1.05	-
DS3180-D	1/2"	36-180	2	550	37	1.05	-
DS3200-D	1/2"	40-200	2.5	550	37	1.05	-
DS3250-D	1/2"	50-250	2.5	550	37	1.05	-
DS4300-D	3/4"	60-300	4	818	59	3.4	-
DS4350-D	3/4"	70-350	5	818	59	3.4	-
DS4450-D	3/4"	90-450	5	1192	59	6.4	1
DS4600-D	3/4"	120-600	7.5	1192	59	6.4	1
DS4700-D	3/4"	140-700	10	1192	59	6.4	1
DS51000-D	1"	200-1000	10	1620	59	8.8	1
DS51500-D	1"	300-1500	20	1620	59	8.8	1

* Unit is Lb.in.

Note: The dial scale starts at 0, however the torque adjustment range is as shown in the table above.



(Extension Bar)

AUMR Series Aluminum Torque Wrench with Ratchet Head



- Accuracy: $\pm 4\%$ from 20% to 100% of capacity.
- Integrated aluminum alloy overall design, light and strong.
- Unique ratchet structure design. With this ratchet head you can continuously swing the handle to tighten the bolt, instead of putting it on as often as a conventional head.
- For wrenches of 2000Nm and below, both sides with square drive for both direction application, easy to handle. 3000Nm is fixed head design.
- Special window for main scale, and Minor scale near the end of the handle, better resolution.
- Dual-unit scales (Metric & English) for versatile measurements.
- Unique locking end design, fix torque reliably. Effectively avoid the possibility of adjustment to torque values caused by unintentional or deliberate operation.
- Knurled handle for secure and comfortable grip.



Major Scale



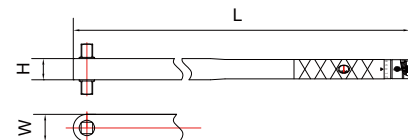
Minor Scale



Unique Locking Design

AUMR Model (without Extension Bar)

Ratchet Head Aluminum Torque Wrench

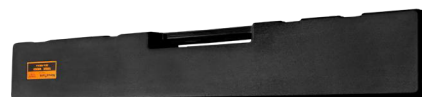


Metric

Item No.	Square Drive	Torque Range		Increment	Length (L) mm	Width x Height (W) x (H) mm	Weight kg	Extension Bar
		N.m	Lb.ft					
AUMR4550	3/4"	100-550	80-400	2.5	811	45x35	2.9	-
AUMR4760	3/4"	160-760	120-560	3	811	45x35	3.2	-

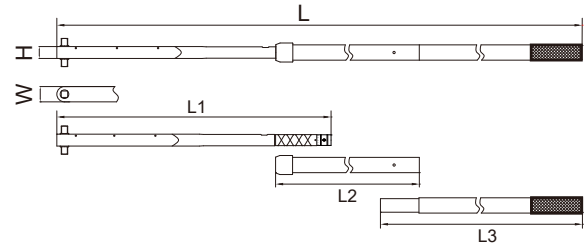


Specially Designed Shockproof Packaging



AUMR Model (with Extension Bar)

Ratchet Head Aluminum Torque Wrench



Metric

Item No.	Square Drive	Torque Range		Increment	L1	L2	L3	L	W x H	Weight	Extension Bar
		Nm	Lb.ft								
AUMR41000	3/4"	200-1000	150-750	5	811	754	/	1400	45x35	5.6	1
AUMR51500	1"	300-1500	200-1100	5	935	930	/	1603	60x40	8.9	1
AUMR52000	1"	400-2000	300-1500	10	935	930	930	2313	60x40	11.52	2

Note: L1, L2, L3 are the lengths of the three pipes, the sum of the three is not the total length L, because there is overlap at the joints.



Specially Designed Shockproof Packaging



AUMG Model

Fixed Head Aluminum Torque Wrench (for Large Torque)



Optional Ratchet Socket:



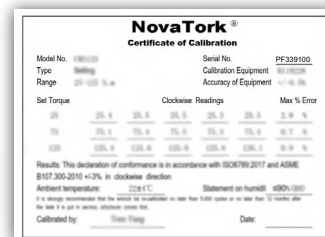
Metric

Item No.	Fixed Drive	Torque Range		Increment	L1	L2	L3	L	W x H	Weight	Extension Bar
		Nm	Lb.ft								
AUMG63000	1 1/2"	600-3000	400-2200	15	1040	930	930	2418	70x40	16.4	2

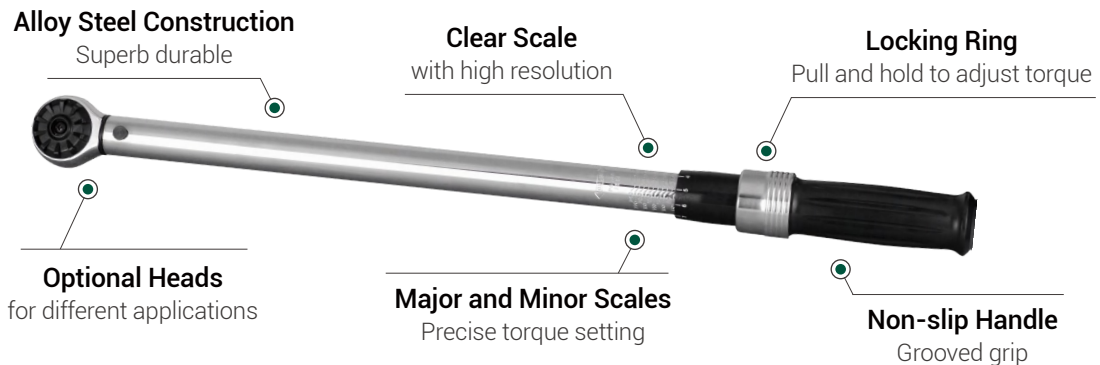
Note: AUMG63000 is with fixed head square drive that can be used with a socket ratchet insert.

100% Calibrated

Unique serial number for each torque wrench, corresponding to the certificate of calibration



G_P Series Slip Torque Wrench



- Accuracy: $\pm 4\%$ in clockwise direction from 20% to 100% of capacity.
- Alloy steel tube for strength and durability.
- Major and Minor scales for precision torque values setting.
- Dual-unit scales (Metric & English) for versatile measurements.
- Minor scale is 1/10 of increment of main scale.
- Pull to unlock lock ring keeps selected torque secure from accidental change.

GAM_P Model

Reversible Ratchet Head Torque Wrench

Bidirectional operation

GA_P Model (English Unit)



Metric

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
GAM112P	1/4"	2-12	20-105*	0.1	290	30	0.53
GAM120P	1/4"	4.0-20	30-180*	0.2	290	30	0.53
GAM230P	3/8"	6.0-30	50-250*	0.2	318	38	0.67
GAM330P	1/2"	6.0-30	50-250*	0.2	318	38	0.67
GAM260P	3/8"	10-60	9-45	0.5	388	38	0.81
GAM360P	1/2"	10-60	9-45	0.5	388	38	0.81
GAM2100P	3/8"	20-100	15-75	1	443	38	0.89
GAM2125P	3/8"	25-125	20-90	1	443	38	0.89
GAM3100P	1/2"	20-100	15-75	1	443	38	0.89
GAM3125P	1/2"	25-125	20-90	1	443	38	0.89
GAM3200P	1/2"	40-200	30-150	1	488	40	1.09
GAM3340P	1/2"	60-340	50-250	2	528	40	1.19
GAM41000P	3/4"	200-1000	150-750	2.5	1200	60	7.2

*Unit is Lb.in

English

Item No.	Square Drive	Torque Range		Increment	Length	Width	Weight
		Lb.ft	N.m				
GA1200P	1/4"	40-200*	4.0-22	1*	280	30	0.53
GA2250P	3/8"	50-250*	6.0-30	1*	315	38	0.67
GA2100P	3/8"	20-100	25-135	0.5	425	38	0.89
GA3100P	1/2"	20-100	25-135	0.5	425	38	0.89
GA3150P	1/2"	30-150	40-200	0.5	505	40	1.01
GA3250P	1/2"	50-250	70-340	1	525	40	1.15

*Unit is Lb.in

GMH_P Model

Rectangular Shank Head Holder Wrench

For rectangular shank head inserts



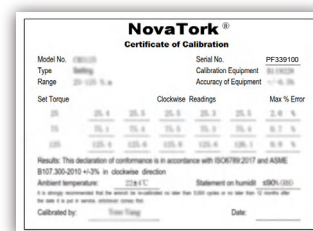
Metric

Item No.	Shank Size	Torque Range		Increment	Length	Width	Weight
		N.m	Lb.ft				
GMH912P	9x12	2.0-12	20-105*	0.1	287	22.1	0.43
GMH920P	9x12	4.0-20	30-180*	0.2	287	22.1	0.43
GMH930P	9x12	6.0-30	50-250*	0.2	306	22.1	0.57
GMH960P	9x12	10-60	9-45	0.5	375	22.1	0.71
GMH9100P	9x12	20-100	15-75	1	430	22.1	0.71
GMH9125P	9x12	25-125	20-90	1	430	22.1	0.79
GMH14200P	14x18	40-200	30-150	1	480.5	32.1	0.99
GMH14340P	14x18	60-340	50-250	2	520.5	32.1	1.09

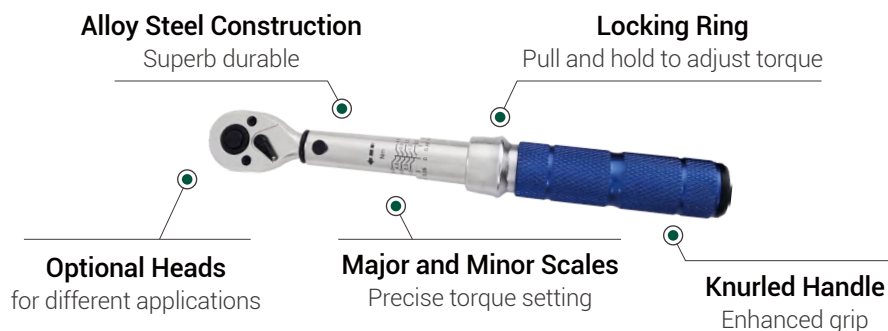
*Unit is Lb.in

100% Calibrated

Unique serial number for each torque wrench, corresponding to the certificate of calibration



BQ Series Torque Wrench with Quick Release



- Accuracy: $\pm 4\%$ from 20% to 100% of capacity.
- All metal construction, alloy steel pipe, durable.
- Clear scale, easy to read.
- Minor scale is 1/10 of increment of main scale.
- Pull to unlock lock ring keeps selected torque secure from accidental change.
- Quick release head.
- Knurled metal handle for enhanced grip.

BQLM-QR Reversible Ratchet Head Torque Wrench

Bidirectional operation



Metric

Item No.	Square Drive	Torque Range N.m	Increment N.m	Length mm	Width mm	Weight kg
BQLM260-QR	3/8"	10-60	0.5	389	33	0.94
BQLM360-QR	1/2"	10-60	0.5	389	33	0.94
BQLM2100-QR	3/8"	20-100	0.5	428	33	1.04
BQLM3150-QR	1/2"	30-150	1	466	40	1.05
BQLM3220-QR	1/2"	40-220	1	507	40	1.16
BQLM3350-QR	1/2"	70-350	2	567	40	1.34
BQLM3400-QR	1/2"	80-400	2	620	40	1.36

Large Size (Non-Quick Release)

Item No.	Square Drive	Torque Range N.m	Increment N.m	Length mm	Width mm	Weight kg
BQLM4600	3/4"	100-600	2.5	1060	64	5.1
BQLM4800	3/4"	150-800	5	1250	64	5.9
BQLM51000	1"	200-1000	5	1250	71	7
BQLM51500E	1"	300-1500	10	1870	71	10.5
BQLM52000E	1"	400-2000	10	1870	71	10.5

Mini Size for BQLM-QR

Item No.	Square Drive	Torque Range N.m	Increment N.m	Length mm	Width mm	Weight kg
BQLSM15-QR	1/4"	1.0-5	0.05	217	28	0.3
BQLSM110-QR	1/4"	2.0-10	0.1	227	28	0.32
BQLSM125-QR	1/4"	5.0-25	0.2	265	28	0.33
BQLSM225-QR	3/8"	5.0-25	0.2	265	28	0.35

BMH-QR Rectangular Shank Head Holder Torque Wrench

For rectangular shank head inserts



Metric

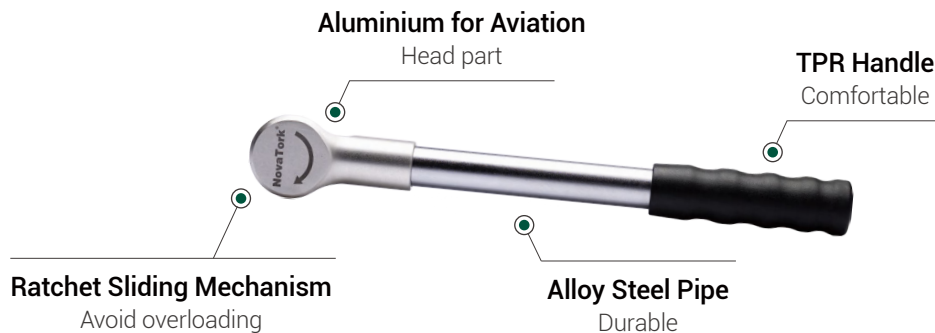
Item No.	Shank Size mm	Torque Range N.m	Increment N.m	Length mm	Width mm	Weight kg
BMH960-QR	9×12	10-60	0.5	390.5	22	0.96
BMH9100-QR	9×12	20-100	0.5	445.5	22	1.04
BMH14150-QR	14×18	30-150	1	453.3	32	1.05
BMH14220-QR	14×18	40-220	1	474.3	32	1.16
BMH14350-QR	14×18	70-350	2	537.3	32	1.34
BMH14400-QR	14×18	80-400	2	593.3	32	1.36

Mini Size for BMH-QR

Item No.	Shank Size mm	Torque Range N.m	Increment N.m	Length mm	Width mm	Weight kg
BMH95S-QR	9×12	1.0-5	0.05	200	22	0.32
BMH910S-QR	9×12	2.0-10	0.1	210	22	0.33
BMH925S-QR	9×12	5.0-25	0.2	248	22	0.35



SL Series Slip Torque Wrench



- Accuracy: $\pm 6\%$ from 20% to 100% of capacity.
- Aviation aluminum head with alloy steel tube, high strength and durability.
- SL torque wrench is a preset torque wrench, set the torque value with dedicated adjusting tool before use.
- The torque cannot be changed arbitrarily during use, which guarantees the working quality.
- When the preset torque value is reached, it will slip to prevent overload.
- Stop applying force when you hear the "Click" sound of sliding.
- The ingenious ratchet function makes it easy to tighten clockwise, even in a narrow space.
- TPR handle for comfort during prolonged use, ideal for assembly/production lines.

Metric

Item No.	Square Drive	Torque Range	Length mm	Width mm	Height mm	Weight kg	Adjusting Tool
		N.m					
SL16	1/4"	1-6	200	31	35	0.41	DC.Q6230
SL125	1/4"	3-25	220	38	41	0.51	DC.Q6232
SL260	3/8"	10-60	330	46	49.3	0.82	DC.Q6231
SL3100	1/2"	20-100	460	46	53.5	1.06	DC.Q6231



The dedicated adjusting tool can be purchased separately.



BWM Series Break-over Torque Wrench



- Accuracy: $\pm 6\%$ from 20% to 100% of capacity.
- One-piece aluminum alloy structure for superior durability and sleek appearance.
- The break-over design bends the head upon reaching the pre-set torque, solving the problem of faint or inaudible click sounds from click-type wrenches in low-torque applications."
- Dedicated adjusting tool with mechanical locking system ensures reliable torque setting.
- Interchangeable head for various applications.

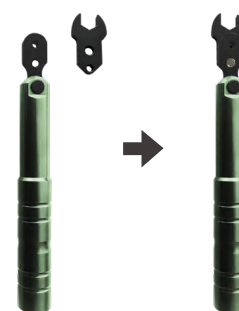
Metric

Item No.	Torque Range	Length	Width	Weight
	Nm	mm	mm	kg
BWM2	0.2-2.0	130	18	0.07
BWM5	0.5-5.0	148	18	0.08
BWM10	1.0-10.0	168	18	0.09

Remarks: Sizes and weight do not include the inserts.

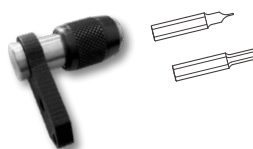
Matching open end insert :

Item No.	Length	Width	Thickness	Weight	Inserts
	mm	mm	mm	kg	
OB05	31.5	12.7	2	0.012	
OB05.5	31.8	12.7	2.5	0.015	
OB06	32	15.3	3	0.02	
OB07	32.5	15.7	3	0.02	
OB08	32.8	16.3	5	0.021	
OB10	34	18.7	6	0.023	
OB13	35	25	6	0.03	
OB16	39.3	27.4	6	0.032	



Matching insert for BITs :

BIT08 (1/4"), BIT10 (5/16")



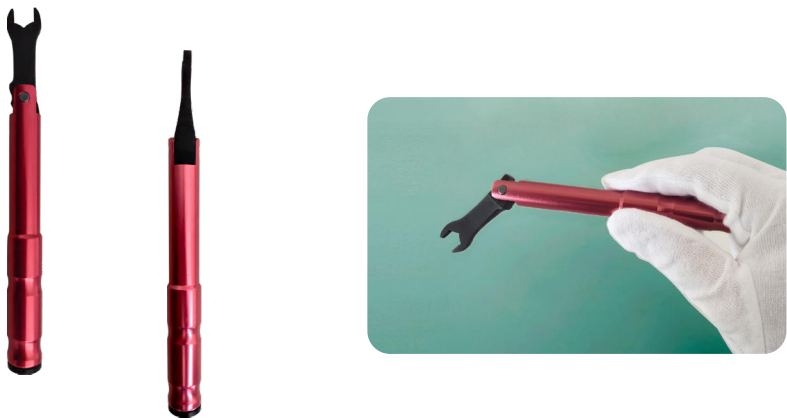
TEC Series Telecom-specific Torque Wrench



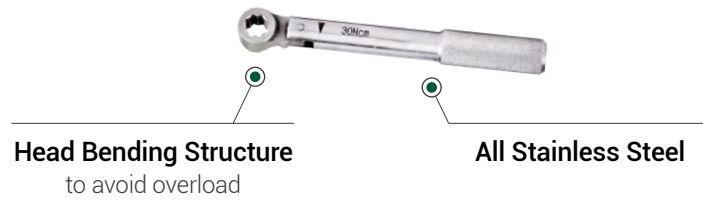
Designed specifically for the telecommunications industry, used in some equipment such as telecommunications controllers.

- Accuracy: $\pm 6\%$ from 20% to 100% of capacity.
- One-piece aluminum alloy structure for superior durability and sleek appearance.
- Special design for Telecom, 45 degrees bending structure.
- When the torque is reached, the head will bend to avoid overloading.
- Unique adjustment and locking system.

Item No.	Opening Size	Torque Range		Length mm	Width mm	Weight Kg
		N.m	Lb.in			
TEC-00-0.5	5/16	0.1-0.5	0.8-4.4	140	14	0.13
TEC-00-1.0	5/16	0.2-1	1.76-8.8	140	14	0.13
TEC-00-1.5	5/16	0.3-1.5	2.6-13.3	140	14	0.13



Dental-specific Mini Torque Wrench



- All stainless steel.
- Head bending structure.
- Specially designed for dentistry.
- The torque can be set as user required.



For more information, please consult the supplier.

RWT Series Electronic Torque Wrench for Railways

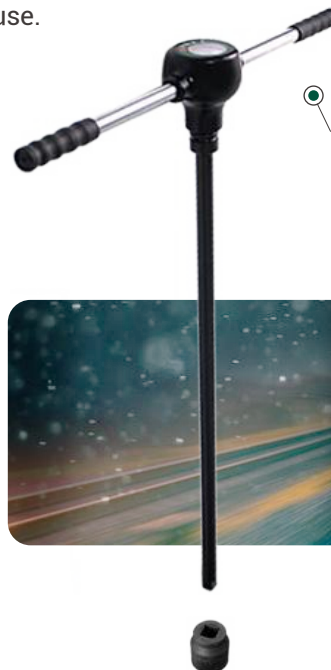
- This specialized torque wrench is designed for railroad track bolt tightening applications. Its innovative T-handle design enables dual-handed operation, ensuring optimal control and user comfort.
- The main unit features a color display screen and control buttons, enabling precise setting of target torque values according to specific bolt requirements.



Color screen display
and control buttons

- Accuracy: CW $\pm$ 2%, CCW $\pm$ 3%.
- 4 Torque units: Nm, Lbft, Lbin, Kgcm.
- 2 Test Modes: Peak, Track.
- Peak value hold function.
- 10 sets of Target torque and accuracy can be set.
- When the set torque is reached, there will be an audible and visual and handle vibration alarms.
- Automatic zero reset during continuous use.
- Switchable backlight for dark conditions.
- Can save 1500 sets of data and can be uploaded via USB
- Built-in lithium battery, charging with USB port.
- Battery level display.
- Automatically shut off after 2 minutes of non use.
- Optional rated torque: 250Nm, 400Nm.

For more information,
please consult the supplier.



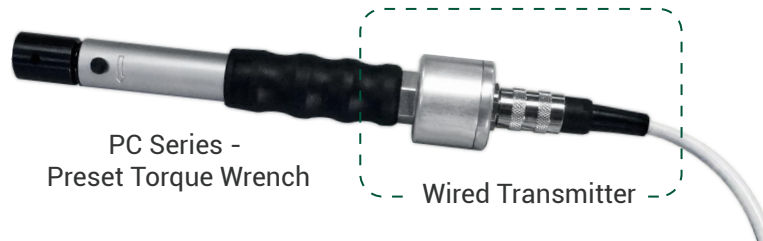
T-handle Design



Sockets are sold separately.

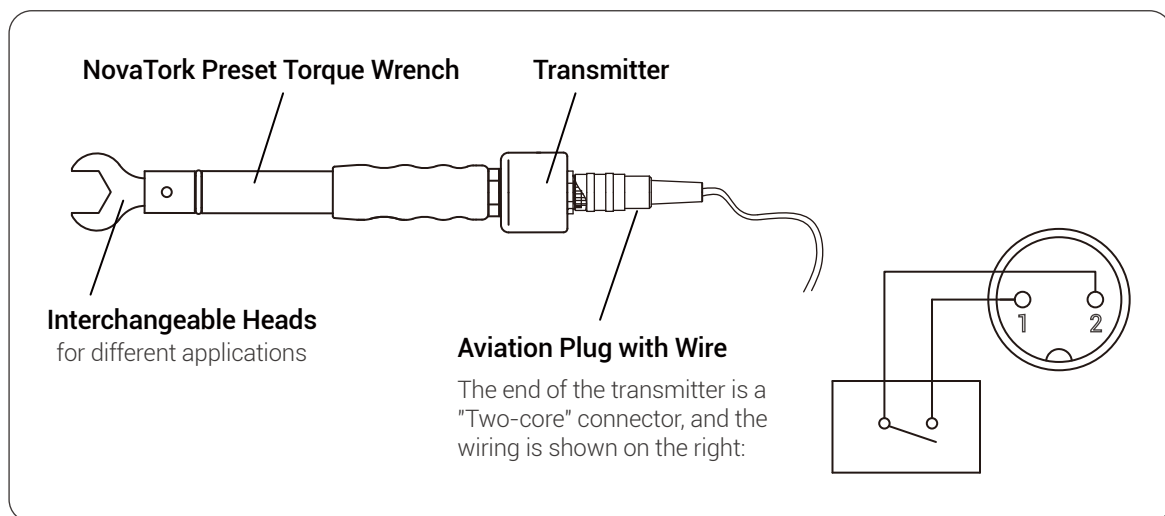
DC-00TX(QC) Series

Wired Transmitter for Preset Torque Wrench



Note: DC-00TX model is a wired transmitter, the torque wrench is not included in this model.

- This wired transmitter unit may be preferred where interference may interfere with the wireless signal transmission.
- The transmitter is mounted at the end of the torque wrench. Each time the wrench "Clicks", it sends an OK signal to an external receiver for further processing of the signal information.
- Requires DC24V/2A power supply. Ensure the torque wrench is in proper working condition, then connect the aviation plug to begin operation.



Note: DC-00TX(QC) transmitter is compatible with most NovaTork PC/PCH series preset torque wrenches. For more information, please consult the supplier.

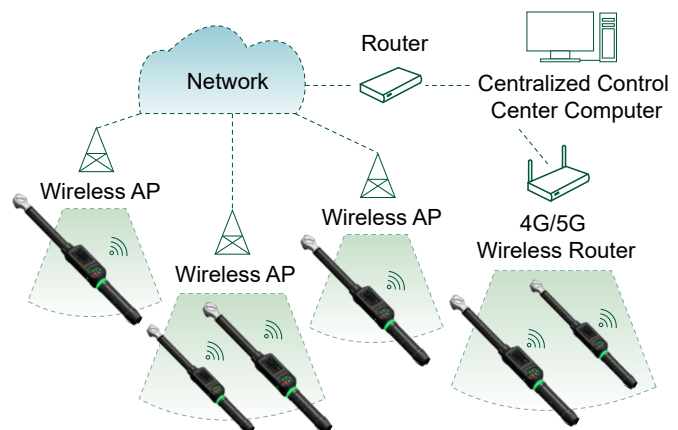
WE_B(SN) Series WiFi Multifunctional Electronic Torque Wrench System (with Large Screen & Scanner)



The **WE_B(SN) system** is a smart torque solution combining WiFi multifunctional electronic torque wrench (with large screen and scanner) and centralized management software for Industry applications.

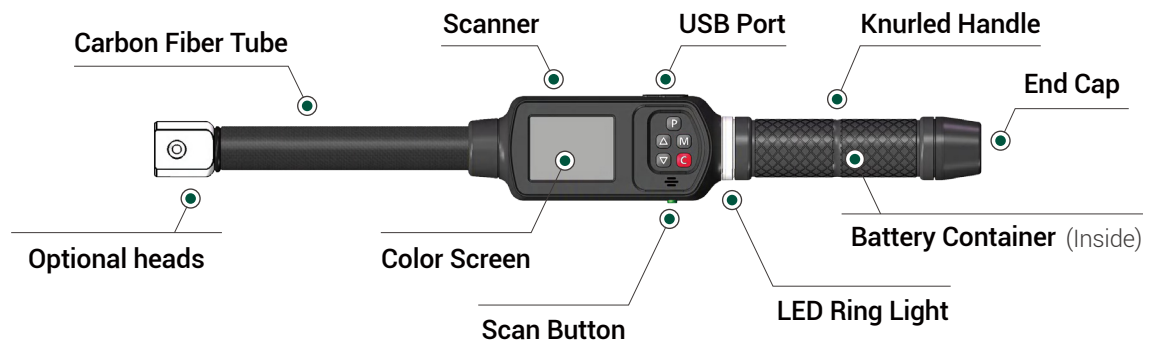
The system integrates versatile functions including WiFi connectivity, code scanning, large-color-screen display, torque/angle measurement, residual torque testing, preset group settings, force curve viewing, Ratio function (for non-standard heads), and data storage.

- Under WiFi, the torque wrench and centralized control center can communicate in real-time, enabling control of 24 wrenches simultaneously.
- This system meets the bolt tightening quality control and torque data traceability needs of industries like automotive, high-speed rail, aerospace, energy, and machinery. It's an ideal choice for various manufacturing enterprises.
- For customers with development capabilities, the communication protocol can be opened. Users can make full use of the data collected by the tools to independently develop more management functions.



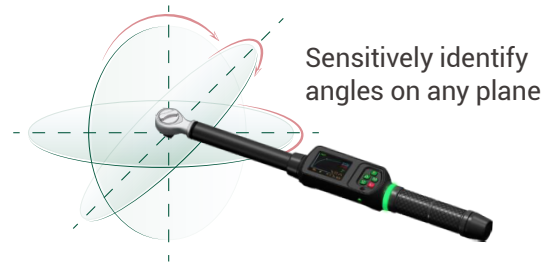
Main Features and Functions

- Torque Accuracy: CW $\pm 1\%$, CCW $\pm 2\%$ +1digit from 10% to 100% of capacity;
- Angle Accuracy: ($\pm 1\%$ of reading) + ($\pm 1^\circ$ @ angular speed of 10°/s~180°/s) + ($\pm 1^\circ$ of test fixture)



- **Large color-screen** display with menu-based operation, which is easy to set up and use.
- **Carbon fiber tube**, high strength and light weight.

- **Code Scanning** Function: The wrench is equipped with a built-in scanning module, enabling scanned data to be uploaded in real-time to the centralized control center along with the wrench operation data.
- **Angle Function**: Developed by a team of experts and professors, this function adopts a high-precision gyroscope chip, enabling sensitive angle recognition on any plane.



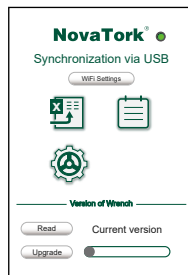
- **7 Torque units**: Nm, cNm, Kgm, Kgcm, Lbft, Lbin, Ozin.
- **2 Test modes**: Peak, Track.
- Target values can be set, with **5 Test Types** available:
 - Peak Torque test, the target torque value can be set
 - Peak Angle test, the target angle value can be set
 - Peak Torque+Angle test, the target torque and angle values can be set
 - Beta test function, which can measure the torque and angle of tightening a bolt
 - Residual torque function, which can test residual torque
- **Preset group function**: 50 sets of parameters can be preset.
- **Mini-angle function**: The minimum angle can be set to prevent repeated operations on the same bolt.
- When the target value is reached, there will be audible, visual and handle vibration alarms.
- Automatic zero reset during continuous use.
- After unloading, the peak value and judgment light status remain displayed, with the force application curve shown.
- Recent **force application curves** can be saved and viewed on the wrench.
- **3 Storage methods**: Automatic, Manual and Qualified Storage.
- The wrench is equipped with a **built-in memory** and can store 2000 sets of data.
- **Ratio function**: For the non-standard calculation of head extension, input the coefficient once, and the system will automatically convert and display the actual torque value on the screen.
- The screen brightness can be adjusted.
- Automatically shuts down after standby time, and the **standby time** can be set.
- **The menu language** on the wrench screen is switchable: Simplified/Traditional Chinese or English.
- Battery level is displayed on the screen.
- Featuring an 18650 high-capacity rechargeable lithium battery, it enables convenient USB-C charging on the wrench or quick replacement by charging the battery externally with a dedicated charger, eliminating downtime.

Centralized Control Center

- The torque wrench comes with Centralized Control Center software, which can collect and record the real-time data from **24 simultaneously working wrenches**.
- **Two-way communication function**: Users can set parameters either directly on the wrench or remotely through the Centralized Control Center software and then send them to the wrench, enabling flexible parameter management.
- **Remote locking function**: The wrench can be remotely locked via the control center, preventing parameter modification at the wrench end.
- When the communication between the wrench and the server is interrupted, data will be automatically stored in the wrench memory. Once communication is restored, data will be automatically uploaded. Data can also be manually uploaded via the USB Update Software.

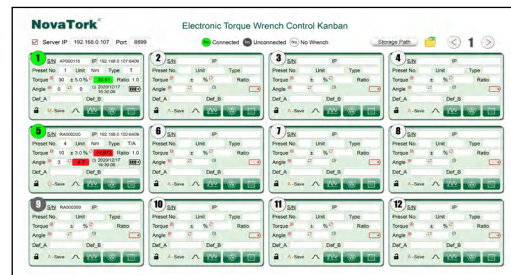


- There are two software programs for the centralized control center computer:



USB Update Software

- WiFi configuration
- Data upload upon communication interruption
- Settings for 50 parameter groups
- Other function settings
- Wrench software upgrade



WiFi Server Software

- Real-time dashboards for 24 wrenches
- Automatic data collection and storage
- Settings for 50 parameter groups
- Live torque application curve viewing
- Other function settings

WEM_B(SN) Model

Reversible Ratchet Head Torque Wrench

Bidirectional operation

Metric

Item No.	Square Drive	Torque Range		Length L mm	Width W1 mm	Width W2 mm	Weight kg
		N.m	Lb.ft				
WEM260B(SN)	3/8"	6-60	53.1-531*	430	38	60	0.99
WEM2100B(SN)	3/8"	10-100	7.4-73.8	460	38	60	1.05
WEM3200B(SN)	1/2"	20-200	14.8-148	526	40	60	1.12
WEM3300B(SN)	1/2"	30-300	22.1-221	606	40	60	1.2
WEM3340B(SN)	1/2"	34-340	25-250	606	40	60	1.2

* Unit is Lb.in.



WEMH_B(SN) Model

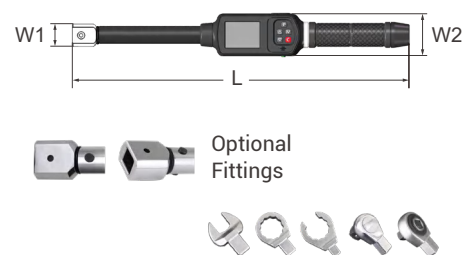
Rectangular Shank Head Holder Torque Wrench

For rectangular shank head inserts

Metric

Item No.	Square Drive	Torque Range		Length L mm	Width W1 mm	Width W2 mm	Weight kg
		N.m	Lb.ft				
WEMH960B(SN)	9×12	6-60	53.1-531*	402	24	60	0.82
WEMH9100B(SN)	9×12	10-100	7.4-73.8	432	24	60	0.93
WEMH14200B(SN)	14×18	20-200	14.8-148	505	32	60	1
WEMH14300B(SN)	14×18	30-300	22.1-221	585	32	60	1.05
WEMH14340B(SN)	14×18	34-340	25-250	585	32	60	1.05
WEMH14400B(SN)	14×18	40-400	29.5-295	708	32	60	1.45
WEMH24500B(SN)	24×32	50-500	36.9-369	801	48	60	3.2
WEMH24600B(SN)	24×32	60-600	44.3-443	1050	56	60	4.5
WEMH24800B(SN)	24×32	80-800	59.0-590	1250	56	60	5
WEMH241000B(SN)	24×32	100-1000	73.8-738	1250	56	60	5

* Unit is Lb.in.



WE_C Series

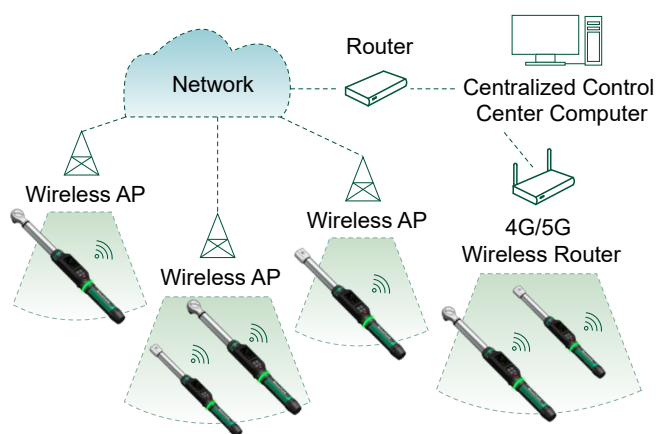
WiFi Multifunctional Electronic Torque Wrench System



The **WE_C system** is a smart torque solution combining WiFi multifunctional electronic torque wrench and centralized management software for Industry applications.

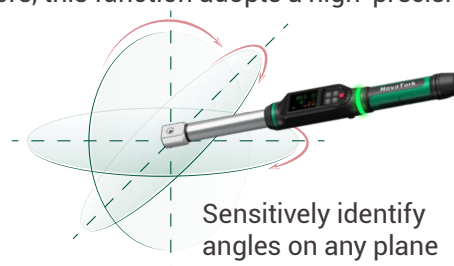
The system integrates versatile functions including WiFi connectivity, color screen display, torque/angle measurement, preset group settings, force curve viewing, Ratio function (for non-standard heads), and data storage.

- Under WiFi, the torque wrench and centralized control center can communicate in real-time, enabling control of 24 wrenches simultaneously.
- This system meets the bolt tightening quality control and torque data traceability needs of industries like automotive, high-speed rail, aerospace, energy, and machinery. It's an ideal choice for various manufacturing enterprises.
- For customers with development capabilities, the communication protocol can be opened. Users can make full use of the data collected by the tools to independently develop more management functions.



Main Features and Functions

- **Torque Accuracy:** CW $\pm$ 2%, CCW $\pm$ 3% from 10% to 100% of capacity
- **Angle Accuracy:** ($\pm$ 1% of reading) + ($\pm$ 1° @ angular speed of 10°/s~180°/s) + ($\pm$ 1° of test fixture)
- **Color-screen** display with menu-based operation, which is easy to set up and use.
- Aluminum tube, lightweight and portable
- **Angle Function:** Developed by a team of experts and professors, this function adopts a high-precision gyroscope chip, enabling sensitive angle recognition on any plane.
- **7 Torque units:** Nm, cNm, Kgm, Kgcm, Lbft, Lbin, Ozin.
- **2 Test modes:** Peak, Track.
- Target values can be set, with **3 Test Types** available:
 - Peak Torque test, the target torque value can be set
 - Peak Angle test, the target angle value can be set
 - Peak Torque+Angle test, the target torque and angle values can be set
- **Preset group function:** 20 sets of parameters can be preset.
- **Mini-angle function:** The minimum angle can be set to prevent repeated operations on the same bolt.



- When the target value is reached, there will be audible, visual and handle vibration alarms.
- Automatic zero reset during continuous use.
- After unloading, the peak value and judgment light status remain displayed, with the force application curve shown.
- Recent **force application curves** can be saved and viewed on the wrench.
- **3 Storage methods:** Automatic, Manual and Qualified Storage.
- The wrench is equipped with a **built-in memory** and can store 1000 sets of data.
- **Ratio function:** For the non-standard calculation of head extension, input the coefficient once, and the system will automatically convert and display the actual torque value on the screen.
- The screen brightness can be adjusted.
- Automatically shuts down after standby time, and the **standby time** can be set.
- **The menu language** on the wrench screen is switchable: Simplified/Traditional Chinese or English.
- Battery level is displayed on the screen.
- Featuring an 18650 high-capacity rechargeable lithium battery, it enables convenient USB-C charging on the wrench or quick replacement by charging the battery externally with a dedicated charger, eliminating downtime.

Centralized Control Center

- The torque wrench comes with Centralized Control Center software, which can collect and record the real-time data from **24 simultaneously working wrenches**.
- **Two-way communication function:** Users can set parameters either directly on the wrench or remotely through the Centralized Control Center software and then send them to the wrench, enabling flexible parameter management.
- **Remote locking function:** The wrench can be remotely locked via the control center, preventing parameter modification at the wrench end.
- When the communication between the wrench and the server is interrupted, data will be automatically stored in the wrench memory. Once communication is restored, data will be automatically uploaded. Data can also be manually uploaded via the USB Update Software.
- There are two software programs for the centralized control center computer:



USB Update Software

- WiFi configuration
- Data upload upon communication interruption
- Settings for 20 parameter groups
- Other function settings
- Wrench software upgrade

WiFi Server Software

- Real-time dashboards for 24 wrenches
- Automatic data collection and storage
- Settings for 20 parameter groups
- Live torque application curve viewing
- Other function settings

WEMH_C Model

Rectangular Shank Head Holder Torque Wrench

For rectangular shank head inserts

Metric

Item No.	Square Drive	Torque Range		Length L mm	Width W1 mm	Width W2 mm	Weight kg
		N.m	Lb.ft				
WEMH910C	9×12	1-10	8.85-88.5*	295	24	45	0.5
WEMH920C	9×12	2-20	17.7-177*	295	24	45	0.5
WEMH930C	9×12	3-30	26.5-265*	401	24	45	0.61
WEMH960C	9×12	6-60	53.1-531*	401	24	45	0.61
WEMH9100C	9×12	10-100	7.4-73.8	432	24	45	0.64
WEMH14200C	14×18	20-200	14.8-148	505	32	45	0.82
WEMH14300C	14×18	30-300	22.1-221	585	32	45	0.95
WEMH14340C	14×18	34-340	25-250	585	32	45	0.95
WEMH14400C	14×18	40-400	29.5-295	706	32	45	1.15

* Unit is Lb.in.



Optional Fittings:



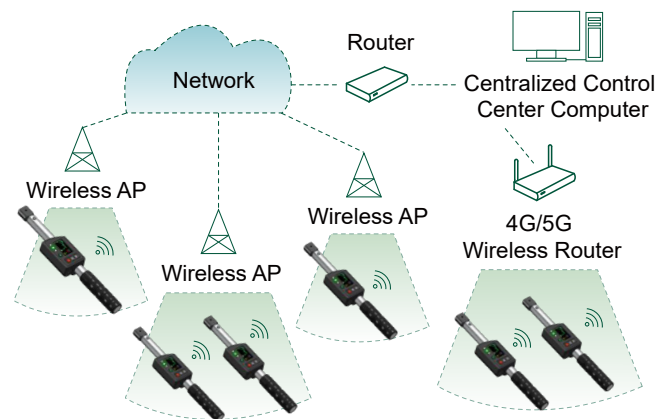
WPE_B(SN) Series WiFi Mechatronic Preset Torque Wrench System (with Color Screen & Scanner)



The WPE_B(SN) system is a smart torque solution combining WiFi mechatronic preset torque wrench (with Scanner) and centralized management software for Industry applications.

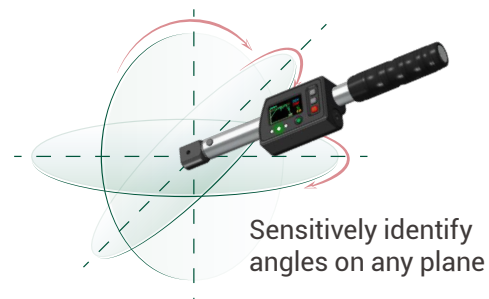
The system integrates versatile functions including WiFi connectivity, code scanning, color screen display, mechanical "Click", torque/angle measurement, force curve viewing and data storage.

- Under WiFi, the torque wrench and centralized control center can communicate in real-time, enabling control of 24 wrenches simultaneously.
- This system meets the bolt tightening quality control and torque data traceability needs of industries like automotive, high-speed rail, aerospace, energy, and machinery. It's an ideal choice for various manufacturing enterprises.
- For customers with development capabilities, the communication protocol can be opened. Users can make full use of the data collected by the tools to independently develop more management functions.



Main Features and Functions

- Torque Accuracy: $CW \pm 4\%$ from 20% to 100% of capacity
- Angle Accuracy: $(\pm 1\% \text{ of reading}) + (\pm 1^\circ \text{ @ angular speed of } 10^\circ/\text{s} \sim 180^\circ/\text{s}) + (\pm 1^\circ \text{ of test fixture})$
- **Color screen** display, clear view of parameters and tool information, facilitating the adjustment of the wrench's preset torque value according to the displayed figures.
- It retains the mechanical audible "Click" feedback, preserving workers' familiar operation habits.
- The torque is mechanically adjustable, and the angle range is system-configurable to prevent repeated tightening of the same screw.
- **Code Scanning Function:** The wrench is equipped with a built-in scanning module, enabling scanned data to be uploaded in real-time to the centralized control center along with the wrench operation data.
- **Angle Function:** Developed by a team of experts and professors, this function adopts a high-precision gyroscope chip, enabling sensitive angle recognition on any plane.



- **7 Torque units:** Nm, cNm, Kgm, Kgcm, Lbft, Lbin, Ozin
- **2 Judge modes:** Peak, First peak
- When the target torque value is reached, the wrench will make a "Click" sound, accompanied by LED light and buzzer alarms.
- Automatic zero reset during continuous use.
- After unloading, the peak value and judgment light status remain displayed, with the force application curve shown.
- Recent **force application curves** can be saved and viewed on the wrench.
- **2 Data upload (storage) methods:** Sequential upload, qualified upload.
- The wrench is equipped with a **built-in memory** and can store 1000 sets of data.
- Automatically shuts down after standby time, and the **standby time** can be set.
- **The menu language** on the wrench screen is switchable: Simplified/Traditional Chinese or English.
- Battery level is displayed on the screen.
- Featuring an 18650 high-capacity rechargeable lithium battery, it enables convenient USB-C charging on the wrench or quick replacement by charging the battery externally with a dedicated charger, eliminating downtime.

Centralized Control Center

- The torque wrench comes with Centralized Control Center software, which can collect and record the real-time data from **24 simultaneously working wrenches**.
- When the communication between the wrench and the server is interrupted, data will be automatically stored in the wrench memory. Once communication is restored, data will be automatically uploaded. Data can also be manually uploaded via the USB Update Software.
- There are two software programs for the centralized control center computer:

USB Update Software

- WiFi configuration
- Data upload upon communication interruption
- Parameter and function settings
- Wrench software upgrade

WiFi Server Software

- Real-time dashboards for 24 wrenches
- Automatic data collection and storage
- Live torque application curve viewing
- Remote standby time adjustment

WPEMH_B (SN) Model

Rectangular Shank Head Holder Torque Wrench

For rectangular shank head inserts

Metric

Item No.	Square Drive	Torque Range		Length L	Width W1	Width W2	Weight
		N.m	Lb.ft	mm	mm	mm	kg
WPEMH910B(SN)	9×12	2.0-10	17.7-88.5*	233	20	63.5	0.52
WPEMH920B(SN)	9×12	4.0-20	30-180*	248	24	63.5	0.55
WPEMH930B(SN)	9×12	6.0-30	50-250*	248	24	63.5	0.55
WPEMH960B(SN)	9×12	10-60	9-45	318	24	63.5	0.88
WPEMH9100B(SN)	9×12	20-100	15-75	362	24	63.5	1
WPEMH14200B(SN)	14×18	40-200	30-150	484	32	63.5	1.34
WPEMH14300B(SN)	14×18	60-300	40-225	619	32	63.5	1.7
WPEMH14400B(SN)	14×18	80-400	59-295	699	32	63.5	1.85
WPEMH24500B(SN)	24×32	100-500	73.8-369	925	56	63.5	3.2
WPEMH24600B(SN)	24×32	120-600	88.5-443	1060	56	63.5	4.5
WPEMH24800B(SN)	24×32	160-800	118-590	1208	56	63.5	5

* Unit is Lb.in.



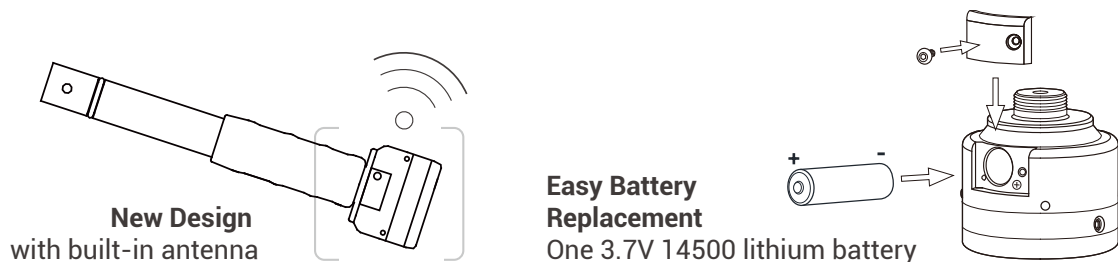
		WE_B(SN) model	WE_C model	WPE_B(SN) model
		with Large Color Screen & Scanner Electronic Torque Wrench	with Color Screen Electronic Torque Wrench	with Color Screen & Scanner Mechatronic Preset Torque Wrench
Torque accuracy		CW±1%, CCW±2% +1digit from 10% to 100% of capacity	CW ± 2%, CCW ± 3% from 10% to 100% of capacity	CW ±4% from 20% to 100% of capacity
Angle accuracy		(±1% of reading) + (±1° @ angular speed of 10°/s~180°/s) +(±1° of test fixture)		
Torque units		7 Units: Nm, cNm, Kgm, Kgcm, Lbft, Lbin, Ozin	7 Units: Nm, cNm, Kgm, Kgcm, Lbft, Lbin, Ozin	7 Units: Nm, cNm, Kgm, Kgcm, Lbft, Lbin, Ozin
Wrench screen		Large Color screen	Color screen	Color screen
Code scanning		✓	-	✓
Test modes		Peak, Track	Peak, Track	Peak, First peak
Test types	Peak torque	✓	✓	✓
	Peak angle	✓	✓	-
	Torque + angle	✓	✓	-
	Beta test	✓	-	-
	Residual torque	✓	-	-
Target value can be set		✓	✓	✓ Mechanism torque adjustment
Mini angle function		✓	✓	✓
Target tolerance range display		✓	✓	✓
Preset parameter groups		50 Sets	20 Sets	1 Preset
Alarm upon target reached		Sound + Light + Handle vibration	Sound + Light + Handle vibration	"Click" & buzzer sound + Light
Auto-reset during continuous use		✓	✓	✓
Peak value hold		✓	✓	✓
WiFi function (24 wrenches control)		✓	✓	✓
Data storage method		Automatic/Manual/Qualified, WiFi /USB upload	Automatic/Manual/Qualified, WiFi /USB upload	Sequential /Qualified, WiFi /USB upload
Built-in wrench storage		2000 Data records	1000 Data records	1000 Data records
Remote wrench locking		✓	✓	-
Force curves		✓	✓	✓
Screen backlight		✓ (Adjustable)	✓ (Adjustable)	✓ (Not adjustable)
Battery level display		✓	✓	✓
Battery charging / replacing		Charge by USB-C port, or replace 18650 lithium battery	Charge by USB-C port, or replace 18650 lithium battery	Charge by USB-C port, or replace 18650 lithium battery
Adjustable standby time, and auto shutdown		✓	✓	✓
Unique Ratio function for non-standard heads		✓	✓	-

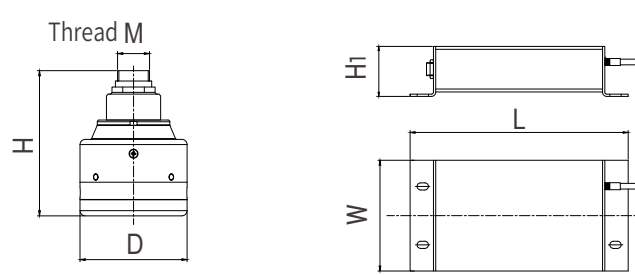
DC-04WX Series 1-To-1 Wireless Transmitter System (Counting Type) for Preset Torque Wrench



Note: The DC-04WX model includes wireless transmitter and receiver (preset torque wrench not included). This system needs to be used with NovaTork PC series preset torque wrench.

- This One-to-One wireless transmission system is specially designed for the production line to ensure all the bolts are tightened.
- On detecting the wrench's "Click", the receiver will capture the wireless signal and output a switch signal for immediate user application.
- Wireless transmission distance: Within a 20-meter circular range.
- Wireless transmission frequency: 2.4GHz.
- The receiver is powered by a dedicated 12V DC power adapter (included).
- When "Click" occurs, the four green LEDs around the transmitter will turn on, as well as the green LED on the receiver.
- The transmitter is powered by a 3.7V 14500 ($\geq 850\text{mAh}$) lithium battery, which can be replaced without delaying work.
- The antenna of the transmitter is built-in, good looking and safe.





Item No.	Wireless Transmitter			Wireless Receiver		
	Thread M	Outer diameter(D)	Height(H)	Length(L)	Width(W)	Height(H ₁)
		mm	mm	mm	mm	mm
DC-04WX	M20.5X1.25	Ø62	70.5	131	66	27
DC-04WX-A	M18.5X1.25	Ø62	84.1	131	66	27
DC-04WX-B	M14.5X1.25	Ø62	84.1	131	66	27

Matching NovaTork PC series preset torque wrench as follows:

Item No.	Matching NovaTork Preset Torque Wrench	
DC-04WX	PC112	
	PC120	
	PC230	
	PC260	
	PC2125	
	PC3200	
	PC3340	
	PC4500	
	PC4650	
	PC4800	
	PC41000	
	PC51000	
	PC51500	
	PC52000	
	PC53000	
	PCH935	
	PCH9180T1	
	PCH14200	
	PCH14300	
	PCH14340	
	PCH24500	
	PCH24650	
	PCH24800	
	PCH241000	
	PCH271500	
	PCH272000	
	PCH273000	

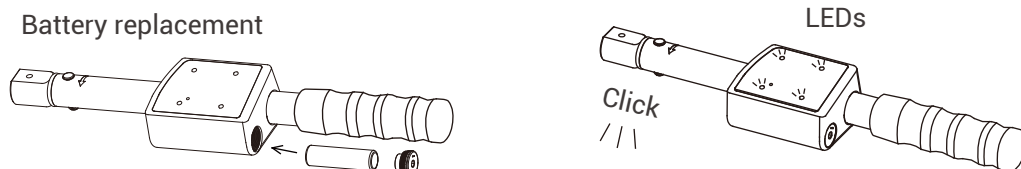
Item No.	Matching NovaTork Preset Torque Wrench	
DC-04WX-A	PCH920	
	PCH925	
	PCH950	
	PCH960	
	PCH985	
	PCH9120	
DC-04WX-B	PC15S	
	PC110S	
	PC115S	
	PCH95S	
	PCH910S	
	PCH915S	
	PCH940S	

For more information, please check PC series for details.

DC-05WX Series 1-To-1 Wireless Preset Torque Wrench System (Counting Type)



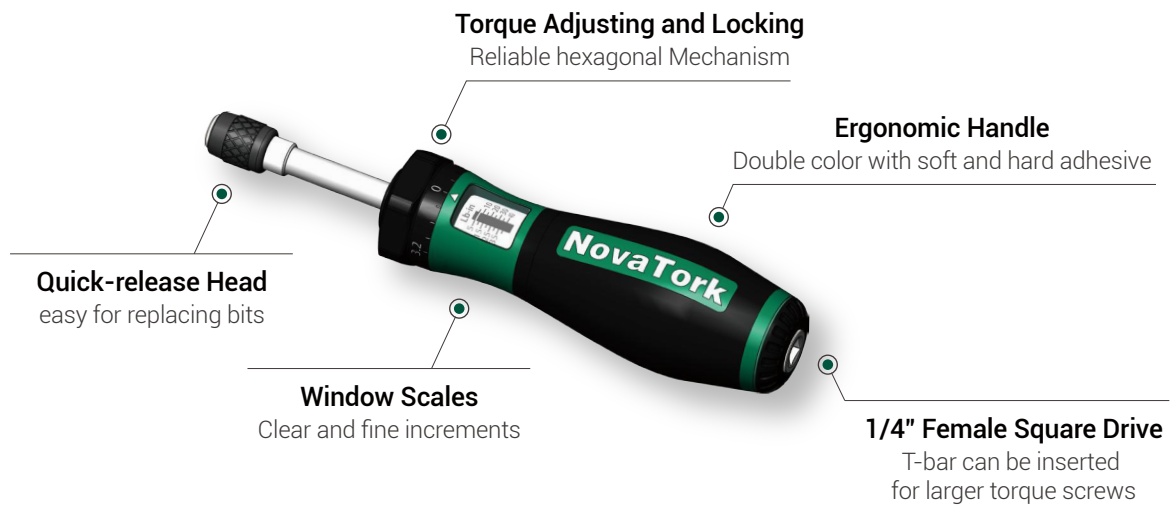
- This One-to-One wireless transmission system is specially designed for the production line to ensure all the bolts are tightened.
- On detecting the wrench's "Click", the receiver will capture the wireless signal and output a switch signal for immediate user application.
- Wireless transmission distance: Within a 20-meter circular range.
- Wireless transmission frequency: 2.4GHz.
- The receiver is powered by a dedicated 12V DC power adapter (included).
- When "Click" occurs, the four green LEDs on the transmitter will turn on, as well as the green LED on the receiver.
- The transmitter is powered by a 3.7V 14500 lithium battery, which can be replaced without delaying work.



Metric

Item No.	Wrench	Receiver	Shank Size	Torque Range		Length
			mm	N.m	Lb.ft	mm
DC-05WXH950	DC-05WXH950.0100	DC-04WX.0200	9X12	10-50	8.0-40	245
DC-05WXH985	DC-05WXH985.0100	DC-04WX.0200	9X12	17-85	12-60	315
DC-05WXH9120	DC-05WXH9120.0100	DC-04WX.0200	9X12	24-120	12-90	353
DC-05WXH14200	DC-05WXH14200.0100	DC-04WX.0200	14X18	40-200	30-150	430
DC-05WXH14300	DC-05WXH14300.0100	DC-04WX.0200	14X18	60-300	45-225	690
DC-05WXH14500	DC-05WXH14500.0100	DC-04WX.0200	14X18	100-500	80-400	970

MS Series Mechanical Torque Screwdriver



This is a necessary tool for tightening small screws, bolts and nuts with torque requirements.

- Accuracy: $\pm 6\%$, which conforms to the ASME B107.14 standard.
- Clear scales with fine graduations.
- 1/4" Hexagon socket with a quick-release design, easy for changing various bits.
- The front hex push-pull mechanism enables torque adjustment and locking, quick and reliable.
- When the set value is reached, there will be a "Click" audio alarm.
- Constructed with oil-resistant, anti-slip engineering plastic for enhanced durability.
- Features an ergonomic dual-color handle with soft-rigid material combination for secure comfort.
- The 1/4" female square hole at the end accommodates a T-handle for higher-torque screw tightening (usually for 250 cNm and above).

Metric

Item No.	Square Drive	Torque Range	Increment	Length mm	Height mm	Weight kg
		cN.m	cN.m			
MSM1100	1/4"	20-100	2	182	38	0.32
MSM1250	1/4"	50-250	5	182	38	0.32
MSM1360	1/4"	60-360	5	182	38	0.32
MSM16	1/4"	1.0-6.0*	0.1*	182	38	0.32

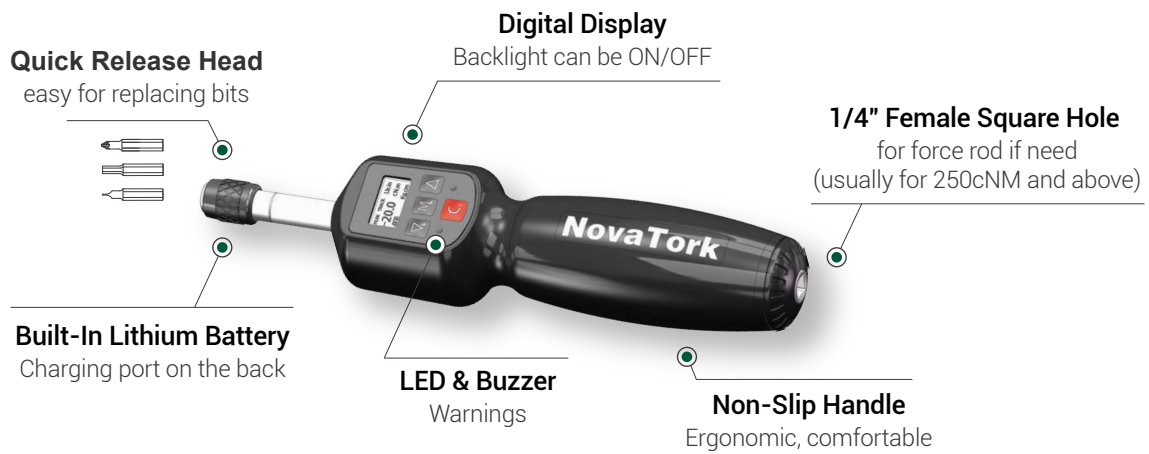
* Unit is N.m.

English

Item No.	Square Drive	Torque Range	Increment	Length mm	Height mm	Weight kg
		Lb.in	Lb.in			
MS118	1/4"	3.0-18	0.3	182	38	0.32
MS136	1/4"	6.0-36	0.5	182	38	0.32
MS150	1/4"	10-50	1	182	38	0.32

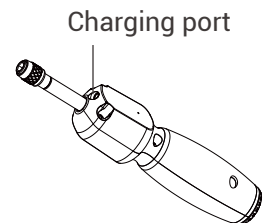


ES Series Digital Torque Screwdriver



This is a necessary tool for tightening small screws, bolts and nuts with torque requirements.

- Accuracy: CW $\pm$ 3%, CCW $\pm$ 5% from 10% to 100% of capacity
- 1/4" Hexagon socket with a quick-release design, easy for changing various bits.
- 3 Torque units are available: Lb.in, cNm, Kg.cm.
- Target torque can be set.
- When the set torque is reached, there will be an audible and visual alarm.
- Peak value hold function.
- Automatic zero reset during continuous use.
- Switchable backlight for dark conditions.
- Battery level display.
- The built-in lithium battery can be charged by the dedicated the charging adapter.
- Automatically shuts off after 3 minutes of non-use.
- The 1/4" female square hole at the end accommodates a T-handle for higher-torque screw tightening (usually for 250 cNm and above).



Metric

Item No.	Square Drive	Torque Range	Increment	Length mm	Height mm	Weight kg
		cNm	cNm			
ESM1100	1/4"	10-100	0.1	210	40	0.23
ESM1250	1/4"	25-250	1	210	40	0.23
ESM1360	1/4"	36-360	1	210	40	0.23
ESM1600	1/4"	60-600	1	210	40	0.23
ESM1800	1/4"	160-800	1	210	40	0.23

English

Item No.	Square Drive	Torque Range	Increment	Length mm	Height mm	Weight kg
		Lb.in	Lb.in			
ES136	1/4"	3.6-36	0.1	210	40	0.23
ES140	1/4"	4-40	0.1	210	40	0.23
ES150	1/4"	5-50	0.1	210	40	0.23

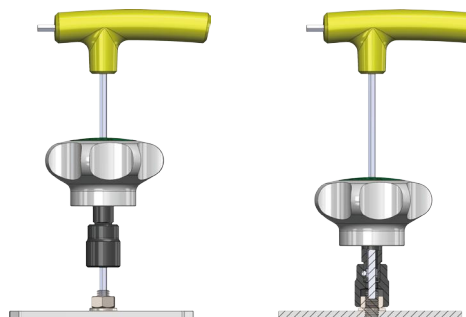
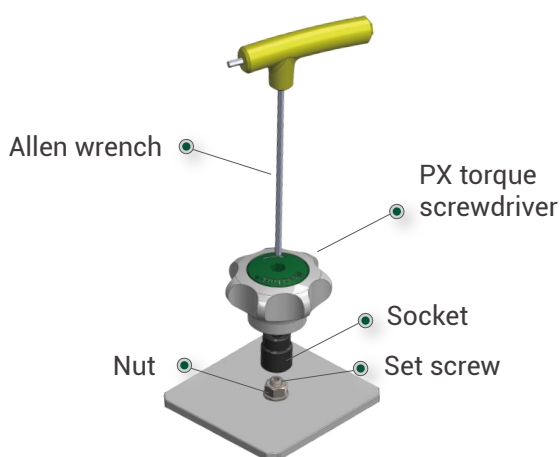
PX Series Aviation Preset Torque Screwdriver

There are many working conditions with such requirements:

To ensure the distance below the set screw, the screw must be kept at a fixed distance from the bottom. This screwdriver can do it effectively.



- The seven-star shaped handle is positioned close to the workpiece, enhances grip and control.
- 3/8" Square drive fits most market applications, accepting various socket sizes for bolts/nuts.
- Center-hole design, allows tightening set screws with nuts using Allen wrenches and sockets.
- The torque can be set as user required.



When the screw is screwed into position:

Application

Insert Allen wrench into set screw's hexagon through the PX Torque Screwdriver, fix the screw and keep it from moving.

Holding Allen wrench, socket fit with the nut, rotate the PX Torque Screwdriver in clockwise to tight the nuts, so that the set screw is fixed.

Metric

Item No.	Square Drive	Torque Range		Length mm	Width mm	Weight kg
		cN.m	Lb.in			
PX2160	3/8"	50-160	5-15	60	70	0.28
PX2360	3/8"	100-360	10-30	65	70	0.3



Allen wrench and socket are sold separately.

Mini Preset Torque Screwdriver for Medical Treatment

- Preset torque
- The stainless steel shaft facilitates sterilization.
- Grooved grip is easy to operate
- Specially designed for implanted pacemaker
- The torque can be set as user required.



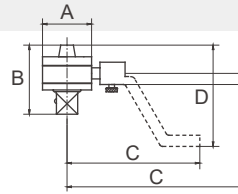
M Series Torque Multiplier

- Alloy steel construction, long life.
- Ratio accuracy: $\pm 5\%$.
- There are three types of M series:
 - M3 model, two reaction arms are available.
 - M5 and M25 models, the position of the force cylinder on the reaction arm can be adjusted according to applications. Above 2500Nm, the model has anti-backlash built-in, more secure to operate.

M3 Model

Torque Multiplier

Two reaction force arms optional



Metric

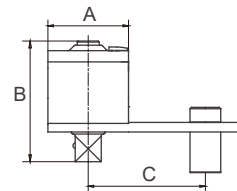
Item No.	Square Drive	Output Drive	Torque Range		Ratio	A	B	C	D	Tool Weight	Reaction Arm Weight
			N.m	Lb.ft		mm	mm	mm	mm		
M3.31000	1/2"	3/4"	1000	750	3.3:1	71	85	245/175	130	1.4	0.77+0.63
M3.31000T1	1/2"	1"	1000	750	3.3:1	71	85	245/175	130	1.44	0.77+0.63

Remarks: M3.31000T1 is the upgraded version of M3.31000T.

M5/M25 Model

Torque Multiplier

The position of the force point on the reaction arm is adjustable



Metric

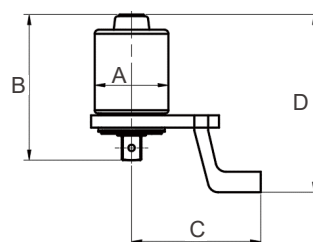
Item No.	Square Drive	Output Drive	Torque Range		Ratio	A	B	C	Tool Weight	Reaction Arm Weight
			N.m	Lb.ft		mm	mm	mm		
M51500D	1/2"	1"	1500	1125	5:1	112	93	82-187	6.1	1.2

Item No.	Square Drive	Output Drive	Torque Range		Ratio	A	B	C	Tool Weight	Reaction Arm Weight
			N.m	Lb.ft		mm	mm	mm		
M252500D	1/2"	1"	2500	1875	25:1	112	141	82-187	8.8	1.2
M253000D	1/2"	1"	3000	2250	25:1	112	141	82-187	8.8	1.2
M253500D	1/2"	1 1/2"	3500	2600	25:1	112	166.5	82-187	9.7	1.2
M254000D	1/2"	1 1/2"	4000	3000	25:1	112	166.5	82-187	9.7	1.2
M256000D	1/2"	1 1/2"	6000	4500	25:1	130	178.5	94.5-211	14.2	2.15
M258000D	1/2"	1 1/2"	8000	6000	25:1	162	195	130-294	23.8	3
M2510000D	3/4"	1 1/2"	10000	7375	25:1	162	198.5	130-294	23.9	3



LM Series Torque Multiplier

- Compact structure, light weight, easy to carry and use.
- Backlash safety protection device for 1500N.m and above, safer to use.



Metric

Item No.	Square Drive	Output Drive	Torque Range		Modulus	Ratio	Dimensions (mm)				Weight*
			N.m	Lb.ft			φA	B	C	D	
LMH41000	1/2"	3/4"	200-1000	150-750	1.5	4:1	72	142	125	173	3.8
LMH51500	1/2"	1"	300-1500	220-1100	1.5	5:1	82	153	130	190	4.2
LMH52000	1/2"	1"	400-2000	300-1500	1.5	5:1	82	153	130	190	4.2
LMF52500	1/2"	1"	500-2500	380-1900	1.75	18:1	96	173	138	211	4.7
LMF53000	1/2"	1"	600-3000	440-2200	1.75	18:1	96	173	138	211	4.7
LMF63500	1/2"	1 1/2"	700-3500	500-2500	1.75	18:1	96	199	145	256	5.4
LMF64000	1/2"	1 1/2"	800-4000	600-3000	1.75	18:1	96	199	145	256	5.4

* Weight is estimated.

Shockproof packaging

Specially designed for all series of "NovaTork" torque products.



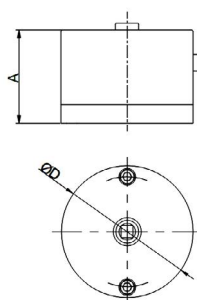
TEQ Series Torque Tester



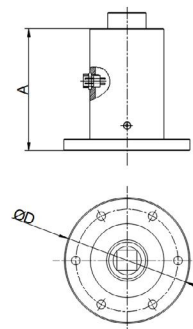
- Accuracy: $\pm 0.5\%$ from 10% to 100% of capacity
- 7 Inch color touch screen
- Menu interface, clear and easy to operate
- Languages available: Chinese or English
- 8 Torque units: N.m, cN.m, kgm, ckgm, gm, Lb.ft, Lb.in, Oz.in
- 3 Test modes: First Peak, Peak, Track
- 3 Types of testing interfaces: Regular, Preset, Waveform
- 100 sets of parameters can be preset
- Automatic zero reset during continuous use.
- Overload warning signal
- During the wrench test, 15 test data will be automatically stored
- Stores up to 8000 test data
- It supports direct USB flash drive insertion for exporting the data file in Excel format.
- The built-in stand can be extended for a better viewing angle.



Built-in stand on the back



400Nm and Below



Above 400Nm

Metric

Item No.	Meter			Transducer						Loader for Tester	
	Model	LxWxH	Weight	Model	Square Drive	Torque Range		D Out Diameter	A Height		Weight
		mm	kg			N.m	Lb.ft				
TEQ16	TEQ01	202 x135 x45	1.7	CZ16	1/4"	0.6-6	5.31-53.1*	100	71	1.9	TS1350
TEQ18				CZ18	1/4"	0.8-8	7.08-70.8*	100	71	1.9	
TEQ110				CZ110	1/4"	1.0-10	8.85-88.5*	100	71	1.9	
TEQ112				CZ112	1/4"	1.2-12	10.6-106.2*	102	72	2.1	
TEQ225				CZ225	3/8"	2.5-25	1.8-18	102	72	2.3	
TEQ240				CZ240	3/8"	4.0-40	3.0-30	102	72	2.33	
TEQ275				CZ275	3/8"	7.5-75	5.5-55	102	72	2.37	
TEQ3150				CZ3150	1/2"	15-150	11-110	102	77	2.44	
TEQ3250				CZ3250	1/2"	25-250	18.4-184	102	77	2.44	
TEQ3400				CZ3400	1/2"	40-400	29.5-295	102	77	2.44	TS11100
TEQ4650				CZ4650	3/4"	65-650	48-480	120	116	2.54	
TEQ41250				CZ41250	3/4"	125-1250	92.2-922	120	128	2.73	TS12000
TEQ52500				CZ52500	1"	250-2500	184.4-1844	120	129	3	TS13000

*Unit is Lb.in

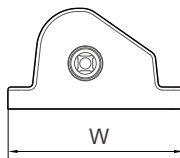
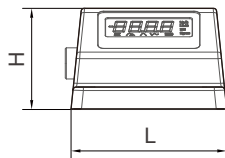
Matching NovaTork TS torque tester loader and TS-TEQ-CH torque testing trolley, please refer to the corresponding leaflets for details.

TES Series Torque Tester

Designed for calibration or inspection of torque wrenches at the production site.



- Accuracy: $\pm 1\%$ from 10% to 100% of capacity.
- 4 Torque units: Lbft, Lbin, Nm and Kgcm.
- 3 Test modes: First Peak, Peak and Track.
- When the set torque is reached, there will be an audible and visual alarm.
- Peak value hold function for First Peak and Peak mode.
- Torque error% display function.
- Memory function: Store 1500 sets of data as required, each set include time, unit, and value.
- Switchable backlight for dark conditions.
- Battery level display.
- Micro-USB port for charging and uploading data to computer.
- The built-in lithium battery can be charged by the dedicated the charging adapter.
- Four bolts are designed at the bottom for fixing the tester on a workbench or other floor.
- Automatically shut off after 10 minutes of non use.



Metric

Item No.	Square Drive	Torque Range		Length (L)		Width (W)	Height (H)	Weight
		N.m	Lb.ft	mm	mm			
TES112	1/4"	1.2-12	10.6-106.2*	135	152	87	2.2	
TES225	3/8"	2.5-25	1.8-18	135	152	87	2.4	
TES240	3/8"	4.0-40	3.0-30	135	152	87	2.6	
TES275	3/8"	7.5-75	5.5-55	135	152	87	2.8	
TES3150	1/2"	15-150	11-110	135	152	87	2.9	
TES3250	1/2"	25-250	18.4-184	135	152	87	3.1	
TES3400	1/2"	40-400	29.5-295	135	152	87	3.2	
TES4650	3/4"	65-650	48-480	135	152	87	3.2	
TES41100	3/4"	110-1100	81.1-811	135	152	87	3.4	

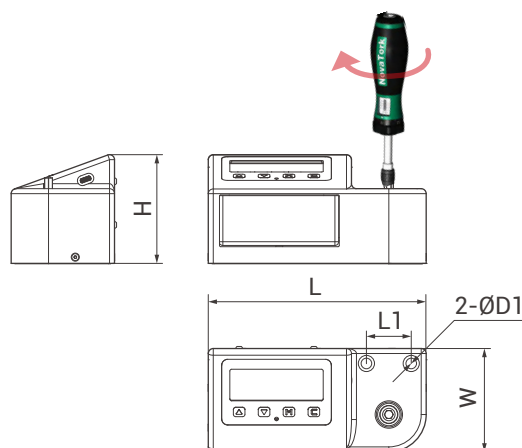
* Unit is Lb.in.

TEV Series Vertical Small Torque Tester

Designed for calibration or inspection of small torque screwdrivers at the production site.



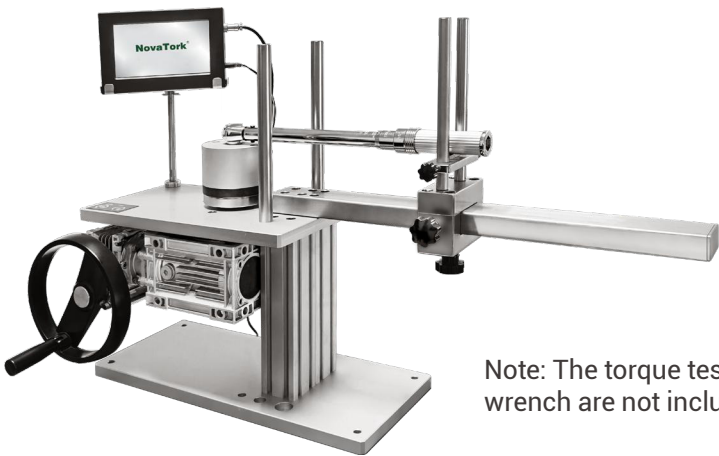
- Accuracy: $\pm 1\%$ from 10% to 100% of capacity.
- 4 Torque units: Lbft, Lbin, Nm and Kgcm.
- 3 Test modes: First Peak, Peak and Track.
- When the set torque is reached, there will be an audible and visual alarm.
- Peak value hold function in First Peak and Peak mode.
- Torque error% display function.
- Memory function: 1500 sets of data can be stored.
- There is a small tipping bucket at the front end for storing common sockets.
- Equipped with a USB port for both charging and data uploading.
- Switchable backlight for dark conditions.
- Battery level display.
- It uses an 18650 lithium battery that can be easily replaced from the back side.
- Two bolt holes are designed for fixing the tester on a workbench or other base plates.
- Automatically shut off after 10 minutes of non use.



Metric

Item No.	Square Drive	Torque Range		Length (L)		Width (W)	Height (H)	L1	ØD1	Weight
		N.m	Lb.in	mm	mm					
TEV101	1/4"	0.1-1	0.89-8.85	175	83	87.3	36	8.5	1.26	1.26
TEV102	1/4"	0.2-2	1.77-17.7	175	83	87.3	36	8.5	1.26	1.26
TEV106	1/4"	0.6-6	5.31-53.1	175	83	87.3	36	8.5	1.26	1.26
TEV110	1/4"	1.0-10	8.85-88.51	175	83	87.3	36	8.5	1.26	1.26

TS Series Manual Loader for Torque Wrench Testing



Note: The torque tester and torque wrench are not included in this model.

- The large diameter hand wheel can be easily turned to test the torque wrench with controlled speed of force application.
- Equipped with a reduction gearbox for more effortless testing operation.
- Different transducers can be used by installing appropriate adapter plates on the transducer shaft.
- The meter tray is height-adjustable for optimal viewing of readings.
- The sliding block with support plate can be adjusted to accommodate torque wrenches of different lengths and keep them horizontal.

Metric

Item No.	Max. Torque	Arm Length		Length	Width	Height	Weight
	N.m	Min(mm)	Max(mm)	mm	mm	mm	kg
TS1400	400	197	686	860	290	590	32.5
TS11100	1100	380	1350	1760	350	590	76
TS12000	2000	420	1690	2090	350	590	80
TS13000	3000	367	2070	2410	435	590	120

Remarks: It can be customized for special requirements.



Matching TEQ torque tester,
please check TEQ model for details.

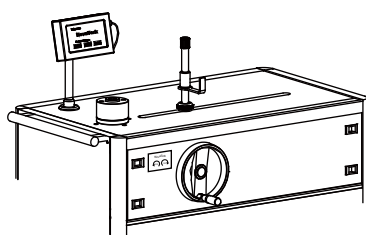
TS-TEQ-CH Series Trolley for Torque Wrench Testing



Note: The torque tester and torque wrench are not included in this model.

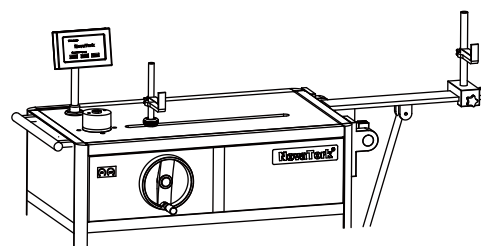
- Designed for mobile testing or calibration of torque wrenches on production lines.
- The table is arranged with the position of the meter, transducer, and moveable reaction bar.
- There is a hand wheel on the front side. The large diameter hand wheel can be easily turned to test the torque wrench with controlled speed of force application.
- The trolley has four wheels, two are swivel casters with brakes. You can easily push the trolley to the production site by holding the side handle, then step on the brakes of the wheels to secure the trolley.
- The trolley is equipped with storage drawers, where transducers, USB cables and auxiliary tools can be placed.
- The L-type design incorporates an automatically deployable extension bar, enabling efficient testing of large torque wrenches.

TS-TEQ-CH Model Torque Test Trolley



- Max. measurable torque: 400 N.m
- Adjustable reaction bar for torque wrench: 130-700 mm
- Length x Width x Height: 1115 x 605 x 1365mm
- Net weight: 101 kg

TS-TEQ-CHL Model Torque Test Trolley with Extension Bar



- Max. measurable torque: 1250 N.m
- Adjustable reaction bar for torque wrench: 130-1450 mm
- Extension bar extended (LxWxH): 1730x750x1300mm
- Extension bar retracted (LxWxH): 1560x750x1300mm
- Net weight: 155 kg



Matching TEQ torque tester,
please check TEQ model for details.

Interchangeable Torque Wrench Heads



Fittings for Rectangular Shank Head Torque Wrench



Ratchet Head
DH
P 57



Push-through Ratchet Head
DXH
P 57



Open End
OH
P 57



Box End
QH
P 60



Open Box End
QOH
P 61



V-Open End
V-OH
P 62



Fittings for Round Holder Head Torque Wrench



Ratchet Head
DR
P 63



Open End
OR
P 63



Box End
QR
P 64



Open Box End
QOR
P 65



Fittings for Ratchet Head Torque Wrench



Crowfoot Wrench
OD
P 66



Open Box End
QOD
P 68



Special Models



Square Drive Adapter
CH
P 70



Welding Joint Fitting
H
P 71



Box Ratchet Head
BQH
P 72



Open End
OH_A15
P 73



Live Opening Ratchet Fitting
ODrH
P 74

DH Series Square Drive Ratchet Head

(Clockwise & Counter-Clockwise)

For Rectangular Shank Head Torque Wrenches

9x12 mm (Shank size)

Item No.	Square Drive	A mm	H mm	D mm	Weight g
DH9120	1/4"	17.5	16.2	30	90
DH9125	1/4"	17.5	21	38	160
DH92160	3/8"	17.5	21	38	160
DH93160	1/2"	17.5	21	38	160

24x32 mm

Item No.	Square Drive	A mm	H mm	D mm	Weight g
DH2441200	3/4"	35	32	60	1040
DH2451200	1" *	35	32	60	1140

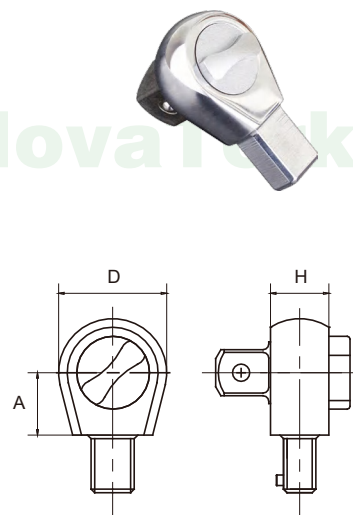
14x18 mm

Item No.	Square Drive	A mm	H mm	D mm	Weight g
DH142160	3/8"	25	21	40	265
DH143420	1/2"	25	21	40	280
DH144420	3/4" *	25	21	40	305

27x36 mm

Item No.	Square Drive	A mm	H mm	D mm	Weight g
DH2753000	1"	50	42	72	1720

* Special specifications, torque values shall be adjusted as per the formula.



DXH Series Square Drive Push-through Ratchet Head

- The central square drive can be pushed up and down for switching clockwise and counterclockwise operations.

For Rectangular Shank Head Torque Wrenches

9x12 mm (Shank size)

Item No.	Square Drive	A mm	H mm	D mm	Weight g
DXH9125	1/4"	24.8	17	40	190
DXH92160	3/8"	24.8	17	40	200
DXH93160	1/2"	24.8	17	48	260

24x32 mm

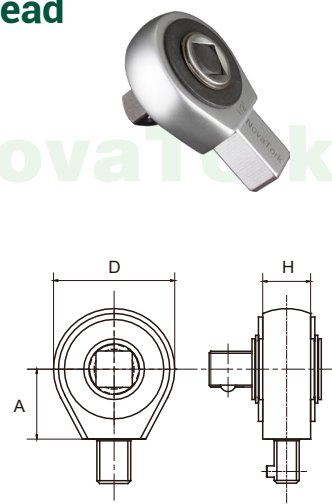
Item No.	Square Drive	A mm	H mm	D mm	Weight g
DXH2441200	3/4"	39	26	69	1350
DXH2451200	1"	51	32	91	2120

14x18 mm

Item No.	Square Drive	A mm	H mm	D mm	Weight g
DXH143420	1/2"	24.8	17	48	325
DXH144420	3/4"	39	26	69	1020

27x36 mm

Item No.	Square Drive	A mm	H mm	D mm	Weight g
DXH2753000	1"	51	32	91	2230



OH Series Square Drive Open End

For Rectangular Shank Head Torque Wrenches

OH Model

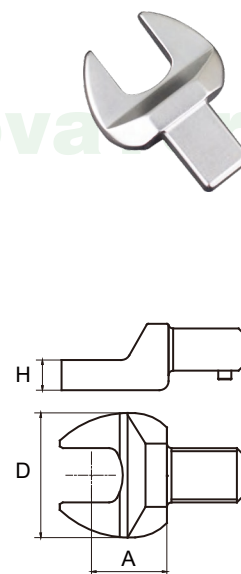
Metric

9x12 mm (Shank size)

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH94	4	17.5	4	22	35
OH95	5	17.5	4	22	35
OH95.5	5.5	17.5	5	22	38
OH96	6	17.5	5.5	22	42
OH97	7	17.5	5.5	22	38
OH98	8	17.5	5.5	22	40
OH99	9	17.5	6	25	44
OH910	10	17.5	6	25	45
OH911	11	17.5	6	25	42
OH912	12	17.5	7	29	49
OH913	13	17.5	7	29	50

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH914	14	17.5	8	33	59
OH915	15	17.5	8	33	57
OH916	16	17.5	8	38	56
OH917	17	17.5	8	38	61
OH918	18	25*	8	42.5	93
OH919	19	25*	8	42.5	89
OH920	20	25*	8	48	90
OH921	21	25*	8	48	105
OH922	22	25*	8	48	100
OH923	23	25*	8	52	100
OH924	24	25*	8	52	109

(Continued on next page)



(Cont'd)

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH925	25	30*	8	57	110
OH926	26	30*	8	57	110
OH927	27	30*	8	57	136
OH928	28	30*	8	57	142
OH929	29	30*	8	57	142
OH930	30	35*	8	65	195
OH931	31	35*	8	65	145
OH932	32	35*	8	65	190
OH933	33	40*	8	68	145
OH934	34	40*	8	68	145
OH935	35	40*	8	68	145
OH936	36	40*	8	68	145
OH937	37	40*	8	68	145
OH938	38	40*	8	68	145
OH939	39	50*	8	83.5	145
OH940	40	50*	8	83.5	145

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH941	41	50*	8	83.5	145
OH942	42	50*	8	90	160
OH943	43	50*	8	90	165
OH944	44	50*	8	90	165
OH945	45	50*	8	90	165
OH946	46	50*	8	90	165
OH947	47	55*	8	100	175
OH948	48	55*	8	100	175
OH949	49	55*	8	100	175
OH950	50	55*	8	100	175
OH951	51	55*	8	100	175
OH952	52	55*	8	100	175
OH953	53	55*	8	100	175
OH954	54	55*	8	100	175
OH955	55	55*	8	100	175
OH956	56	60*	8	110	215

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH957	57	60*	8	110	215
OH958	58	60*	8	110	215
OH960	60	60*	8	110	215
OH962	62	60*	8	110	215
OH963	63	60*	8	110	215
OH965	65	65*	8	117	225
OH966	66	65*	8	117	225
OH967	67	65*	8	117	225
OH968	68	65*	8	117	225
OH970	70	65*	8	117	225
OH975	75	75*	8	125	240
OH980	80	80*	8	155	175
OH985	85	80*	8	155	175
OH990	90	90*	8	165	300
OH991	91	90*	8	165	300
OH995	95	90*	8	170	310

14x18 mm

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH146	6	25	7	30	120
OH147	7	25	7	30	120
OH148	8	25	7	30	120
OH149	9	25	7	30	118
OH1410	10	25	7	30	116
OH1411	11	25	7	30	114
OH1412	12	25	7	30	112
OH1413	13	25	8	32	121
OH1414	14	25	8	32	128
OH1415	15	25	8	32	116
OH1416	16	25	9	38	116
OH1417	17	25	9	38	136
OH1418	18	25	10	42	151
OH1419	19	25	10	41	150
OH1420	20	25	12	48	145
OH1421	21	25	12	48	182
OH1422	22	25	12	48	180
OH1423	23	25	13	52	156
OH1424	24	25	13	51.5	185
OH1425	25	25	13	52	163
OH1426	26	30*	14	57	163
OH1427	27	30*	14	57.5	228
OH1428	28	30*	14	57	255
OH1429	29	30*	14	57	255
OH1430	30	35*	14	65	269

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH1431	31	35*	14	65	255
OH1432	32	35*	14	65	266
OH1433	33	40*	14	68	360
OH1434	34	40*	14	0	317
OH1435	35	40*	14	68	365
OH1436	36	40*	14	68	365
OH1437	37	40*	14	68	440
OH1438	38	40*	14	68	440
OH1439	39	50*	14	83	435
OH1440	40	50*	14	83	430
OH1441	41	50*	14	83	430
OH1442	42	50*	14	83	430
OH1443	43	50*	14	90	480
OH1444	44	50*	14	90	550
OH1445	45	50*	14	90	600
OH1446	46	50*	14	90	595
OH1447	47	55*	14	100	595
OH1448	48	55*	14	100	595
OH1449	49	55*	14	100	610
OH1450	50	55*	14	100	610
OH1451	51	55*	14	100	600
OH1452	52	55*	14	100	600
OH1453	53	55*	14	100	600
OH1454	54	55*	14	100	600
OH1455	55	55*	14	100	585

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH1456	56	60*	14	110	650
OH1457	57	60*	14	110	650
OH1458	58	60*	14	110	650
OH1459	59	60*	14	110	650
OH1460	60	60*	14	110	650
OH1461	61	60*	14	110	640
OH1462	62	60*	14	110	650
OH1464	64	60*	14	110	650
OH1465	65	70*	14	129.5	680
OH1466	66	70*	14	129.5	680
OH1467	67	70*	14	129.5	690
OH1468	68	70*	14	129.5	690
OH1470	70	70*	14	129.5	700
OH1472	72	70*	14	129.5	690
OH1475	75	70*	14	129.5	720
OH1477	77	80*	14	150	730
OH1478	78	80*	14	150	730
OH1479	79	80*	14	150	730
OH1480	80	80*	14	155.5	750
OH1485	85	80*	14	155.5	750
OH1486	86	80*	14	155.5	750
OH1488	88	80*	14	155.5	775
OH1490	90	80*	14	155.5	750
OH1495	90	90	14	186	850
OH14100	100	95	14	195	950

24x32 mm

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH2413	13	35	25	50	650
OH2414	14	35	25	50	650
OH2415	15	35	25	50	650
OH2416	16	35	25	50	650
OH2417	17	35	25	50	650
OH2418	18	35	25	50	650
OH2419	19	35	25	50	650
OH2420	20	35	25	61	680
OH2421	21	35	25	61	680
OH2422	22	35	25	61	700
OH2424	24	35	25	61	680
OH2425	25	35	25	61	680
OH2426	26	35	25	66.5	715
OH2427	27	35	25	66.5	718
OH2428	28	35	25	66.5	719
OH2429	29	35	25	66.5	720

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH2430	30	35	25	68	720
OH2432	32	35	25	68	725
OH2433	33	40*	25	73.5	809
OH2434	34	40*	25	73.5	730
OH2435	35	40*	25	73.5	730
OH2436	36	40*	25	73.5	735
OH2438	38	40*	25	73.5	809
OH2440	40	40*	25	74	800
OH2441	41	50*	25	86	925
OH2442	42	50*	25	92	1000
OH2444	44	50*	25	92	1000
OH2445	45	50*	25	92	1000
OH2446	46	50*	25	92	1000
OH2447	47	55*	25	104	1000
OH2448	48	55*	25	104	1100
OH2450	50	55*	25	104	1150

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH2451	51	55*	25	104	1150
OH2455	55	55*	25	104	1300
OH2456	56	60*	25	114	1300
OH2457	57	60*	25	114	1330
OH2460	60	60*	25	114	1330
OH2462	62	60*	25	114	1330
OH2465	65	70*	25	134	1337
OH2467	67	70*	25	134	1415
OH2468	68	70*	25	134	1415
OH2470	70	70*	25	134	1620
OH2475	75	70*	25	134	1650
OH2480	80	80*	25	155	1650
OH2485	85	85*	25	160	1700
OH2495	95	90*	25	170	1750

27x36 mm

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH2717	17	40	28	58.5	1250
OH2718	18	40	28	58.5	1250
OH2719	19	40	28	58.5	1250
OH2720	20	50	28	72.5	1250
OH2722	22	50	28	72.5	1250
OH2724	24	50	28	72.5	1250
OH2726	26	50	28	78.5	1250
OH2727	27	50	28	78.5	1250
OH2728	28	50	28	78.5	1250
OH2729	29	50	28	78.5	1250

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH2730	30	50	28	85	1295
OH2732	32	50	28	85	1295
OH2734	34	50	28	88	1330
OH2736	36	50	28	88	1335
OH2738	38	50	28	90	1338
OH2740	40	50	28	92	1440
OH2741	41	50	28	92	1440
OH2742	42	50	28	98	1440
OH2744	44	50	28	98	1440
OH2745	45	50	28	98	1440
OH2746	46	50	28	98	1440
OH2750	50	55*	28	118	1450

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OH2753	55	55*	25	118	1450
OH2755	55	55*	25	118	1455
OH2760	60	60*	28	130	1460
OH2761	61	65*	28	131	1462
OH2765	65	65*	28	135	1462
OH2770	70	70*	28	142	1465
OH2775	75	75*	28	148	1780
OH2780	80	80*	28	158	2600
OH2785	85	85*	28	164	2850
OH2790	90	90*	28	176	2900
OH2795	95	95*	28	180	3000
OH27100	100	100*	28	195	3150

* Special specifications, torque values shall be adjusted as per the formula.

OYH Model

English

9x12 mm (Shank size)

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH94	1/8"	17.5	5.5	22	38
OYH96	3/16"	17.5	5.5	22	38
OYH97	7/32"	17.5	5.5	22	38
OYH98	1/4"	17.5	5.5	22	38
OYH910	5/16"	17.5	5.5	22	37
OYH912	3/8"	17.5	6	25	43
OYH914	7/16"	17.5	6	25	42
OYH916	1/2"	17.5	7	29	47
OYH917	17/32"	17.5	8	33	58

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH918	9/16"	17.5	8	33	57
OYH920	5/8"	17.5	8	38	56
OYH922	11/16"	17.5	8	38	80
OYH924	3/4"	25*	8	42.5	75
OYH926	13/16"	25*	8	48	100
OYH928	7/8"	25*	8	48	95
OYH930	15/16"	25*	8	53	110
OYH932	1"	30*	8	57	110
OYH934	1 1/16"	30*	8	57	140

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH936	1 1/8"	35*	8	57	145
OYH940	1 1/4"	35*	8	70	145
OYH942	1 5/16"	35*	8	70	145
OYH944	1 3/8"	35*	8	80	145
OYH946	1 7/16"	40*	8	80	145
OYH948	1 1/2"	45*	8	68	145
OYH952	1 5/8"	45*	8	85	145
OYH960	1 7/8"	55*	8	100	155

14x18 mm

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH148	1/4"	25	7	30	110
OYH1414	7/16"	25	7	30	110
OYH1416	1/2"	25	7	30	110
OYH1418	9/16"	25	8	32	115
OYH1420	5/8"	25	9	38	128
OYH1422	11/16"	25	9	38	127
OYH1424	3/4"	25	10	42	137
OYH1426	13/16"	25	11	48	158
OYH1428	7/8"	25	11	48	155
OYH1429	29/32"	25	13	51.5	159
OYH1430	15/16"	25	13	51.5	159
OYH1431	31/32"	25	13	51.5	159

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH1432	1"	25	13	51.5	163
OYH1434	1 1/16"	30*	14	57	230
OYH1436	1 1/8"	30*	14	57	255
OYH1438	1 3/16"	30*	14	65	255
OYH1440	1 1/4"	35*	14	65	255
OYH1442	1 5/16"	35*	14	75	280
OYH1444	1 3/8"	40*	14	68	365
OYH1446	1 7/16"	40*	14	68	365
OYH1448	1 1/2"	45*	14	85	440
OYH1450	1 9/16"	50*	14	84	430
OYH1452	1 5/8"	50*	14	90	430
OYH1454	1 11/16"	50*	14	90	430

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH1456	1 3/4"	50*	14	100	595
OYH1458	1 13/16"	50*	14	100	595
OYH1460	1 7/8"	50*	14	100	610
OYH1462	1 30/32"	50*	14	100	610
OYH1464	2"	55*	14	106	600
OYH1468	2 1/8"	55*	14	116	585
OYH1470	2 3/16"	60*	14	121	650
OYH1472	2 1/4"	60*	14	121	650
OYH1476	2 3/8"	60*	14	121	650
OYH1488	2 3/4"	70*	14	135	700
OYH1492	2 7/8"	70*	14	138	710

24x32 mm

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH2420	5/8"	35	25	62	650
OYH2424	3/4"	35	25	65	680
OYH2428	7/8"	35	25	61	700
OYH2429	29/32"	35	25	61	700
OYH2430	30/32"	35	25	61	700
OYH2431	31/32"	35	25	61	700
OYH2432	1"	35	25	61	700
OYH2434	1 1/16"	35	25	66.5	710

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH2436	1 1/8"	35	25	68	719
OYH2438	1 3/16"	35	25	68.5	720
OYH2440	1 1/4"	35	25	68	602
OYH2442	1 5/16"	40	25	73.5	685
OYH2444	1 3/8"	40	25	73.5	685
OYH2446	1 7/16"	40	25	73.5	685
OYH2448	1 1/2"	40	25	73.5	685
OYH2450	1 9/16"	40	25	73.5	685

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH2452	1 5/8"	50*	25	86	902
OYH2454	1 11/16"	50*	25	92	1000
OYH2456	1 3/4"	50*	25	92	1000
OYH2460	15/8"	50*	25	103	1100
OYH2464	2"	50*	25	106	1150
OYH2470	2 3/16"	55*	25	104	1150
OYH2472	2 1/4"	55*	25	120	1200

27x36 mm

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH2742	1 5/16"	50*	25	86	1338
OYH2748	1 1/2"	50*	28	86	1338
OYH2752	1 5/8"	50*	28	92	1250
OYH2756	1 3/4"	50*	25	92	1250

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH2758	1 13/16"	50*	28	98	1300
OYH2760	15/8"	50*	25	103	1350
OYH2770	2 3/16"	55*	25	124	1455
OYH2772	2 1/4"	55*	25	124	1455

Item No.	Opening	A mm	H mm	D mm	Weight g
OYH2776	2 3/8"	60*	28	130	1460
OYH2782	2 9/16"	65*	25	136	1465

* Special specifications, torque values shall be adjusted as per the formula.

QH Series Square Drive Box End

For Rectangular Shank Head Torque Wrenches

QH Model

Metric

9x12 mm (Shank size)

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH94	4	17.5	6	22	40
QH95	5	17.5	6	22	40
QH96	6	17.5	8	22	43
QH97	7	17.5	8	22	43
QH98	8	17.5	8	22	42
QH99	9	17.5	9	22	45
QH910	10	17.5	9	22	48
QH911	11	17.5	9	22	47
QH912	12	17.5	12	26	54
QH913	13	17.5	12	26	54
QH914	14	17.5	12	26	52
QH915	15	17.5	12	26	54
QH916	16	17.5	13	30	56

14x18 mm

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH146	6	25	11	32	95
QH147	7	25	11	32	95
QH148	8	25	11	32	95
QH149	9	25	11	32	95
QH1410	10	25	11	32	95
QH1411	11	25	11	32	115
QH1412	12	25	11	32	125
QH1413	13	25	11	32	135
QH1414	14	25	11	32	135
QH1415	15	25	11	32	130
QH1416	16	25	12	32	130
QH1417	17	25	12	32	130
QH1418	18	25	12	32	125
QH1419	19	25	12	32	125
QH1420	20	25	15	38.5	155

24x32 mm

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH2419	19	35	25	42	630
QH2420	20	35	25	46	630
QH2422	22	35	25	46	730
QH2424	24	35	25	48	880
QH2427	27	35	25	50	910
QH2428	28	35	25	52	910
QH2430	30	35	25	55	945
QH2432	32	35	25	57	961

27x36 mm

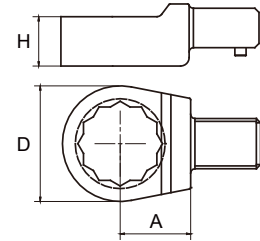
Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH2727	27	50	28	62	1190
QH2730	30	50	28	70	1190
QH2731	31	50	28	70	1213
QH2732	32	50	28	70	1213
QH2734	34	50	28	72	1235
QH2736	36	50	28	72	1225
QH2738	38	50	28	75	1263

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH917	17	17.5	13	30	55
QH918	18	17.5	13	30	58
QH919	19	17.5	13	35	57
QH920	20	17.5	13	35	68
QH921	21	17.5	13	35	68
QH922	22	17.5	13	35	73
QH923	23	17.5	13	36.5	75
QH924	24	25*	13	37	80
QH925	25	25*	13	40	80
QH926	26	25*	13	41	80
QH927	27	25*	13	42	80
QH928	28	25*	13	44	80
QH930	30	25*	13	46	85
QH932	32	25*	13	47.5	85
QH933	33	30*	13	48	86

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH1421	21	25	15	38.5	155
QH1422	22	25	15	38.5	155
QH1423	23	25	15	38.5	155
QH1424	24	25	15	38.5	155
QH1425	25	25	15	39	160
QH1426	26	25	17.5	41	160
QH1427	27	30*	17.5	41.5	160
QH1428	28	30*	17.5	44	165
QH1429	29	30*	17.5	45	165
QH1430	30	30*	17.5	45	165
QH1431	31	30*	17.5	47.5	168
QH1432	32	30*	17.5	47.5	168
QH1433	33	30*	19	50	190
QH1434	34	30*	19	51	190
QH1435	35	30*	19	52	190
QH1436	36	30*	19	53	196

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH2433	33	35	25	59	961
QH2434	34	35	25	61	977
QH2436	36	40*	25	62	1050
QH2437	37	40*	25	65	1060
QH2438	38	40*	25	65	1053
QH2440	40	45*	25	70	1056
QH2441	41	45*	25	73	1059
QH2442	42	45*	25	78	1059
QH2446	46	45*	25	82	1074

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH2741	41	50	28	76	1265
QH2742	42	50	28	76	1265
QH2745	45	50	28	80	1270
QH2746	46	50	28	82	1270
QH2750	50	50	28	92	1603
QH2755	55	55*	28	104	1771
QH2760	60	60*	28	110	1874



Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH934	34	30*	13	48	86
QH936	36	30*	13	50	90
QH938	38	30*	13	55	90
QH941	41	35*	13	58	90
QH942	42	35*	13	60	93

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH1437	37	35*	19	55	196
QH1438	38	35*	19	58	210
QH1440	40	35*	19	59.5	210
QH1441	41	35*	19	59.5	215
QH1442	42	35*	19	61	215
QH1445	45	40*	19	66	220
QH1446	46	40*	19	66	225
QH1447	47	40*	19	68.5	225
QH1450	50	40*	19	70	230
QH1455	55	45*	19	76	250
QH1460	60	45*	19	84	255
QH1465	65	50*	19	90	265
QH1470	70	55*	19	96	270
QH1475	75	60*	19	100	285
QH1480	80	65*	19	108	310

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH2448	46	45*	25	92	1300
QH2450	50	50*	25	95	1315
QH2455	55	55*	25	102	1533
QH2460	60	60*	25	110	1642
QH2465	65	65*	25	116	1900
QH2470	70	65*	25	120	1950
QH2475	75	65*	25	120	1950
QH2485	85	80*	25	150	2500

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QH2765	65	60*	28	118	2050
QH2770	70	65*	28	128	2322
QH2775	75	75*	28	138	2600
QH2780	80	80*	28	148	2900
QH2785	85	80*	28	150	2900

* Special specifications, torque values shall be adjusted as per the formula.

QYH Model

English

9x12 mm (Shank size)

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYH98	1/4"	17.5	8	22	43
QYH910	5/16"	17.5	8	22	42
QYH912	3/8"	17.5	9	22	48
QYH914	7/16"	17.5	9	22	47

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYH916	1/2"	17.5	12	22	53
QYH918	9/16"	17.5	12	23	52
QYH920	5/8"	17.5	13	27	56
QYH922	11/16"	17.5	13	27.5	58

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYH924	3/4"	17.5	13	31	57
QYH926	13/16"	17.5	13	33	68
QYH928	7/8"	17.5	13	34.5	73
QYH942	15/8"	30*	13	48	100

14x18 mm

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYH148	1/4"	25	11	32	110
QYH1412	3/8"	25	11	32	110
QYH1416	1/2"	25	11	32	125
QYH1418	9/16"	25	11	32	123
QYH1420	5/8"	25	12	32	128
QYH1422	11/16"	25	12	32	133

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYH1424	3/4"	25	12	32	138
QYH1426	13/16"	25	15	33	148
QYH1428	7/8"	25	15	35	154
QYH1430	15/16"	25	15	37.5	153
QYH1432	1"	25	15	39	160
QYH1434	1 1/16"	30*	17.5	41.5	160

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYH1436	1 1/8"	30*	17.5	44	165
QYH1440	1 1/4"	30*	17.5	47.5	168
QYH1444	1 3/8"	30*	19	51	170
QYH1446	1 7/16"	30*	19	53	196
QYH1452	1 3/8"	35*	19	61	190
QYH1458	1 13/16"	50*	19	70	225

24x32 mm

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYH2430	15/16"	35	25	48	880
QYH2436	1 1/8"	35	25	52	945
QYH2440	1 1/4"	35	25	57	960
QYH2446	1 7/16"	40*	25	62	973
QYH2452	1 5/8"	45*	25	73	1254
QYH2458	1 13/16"	45*	25	82	1074
QYH2464	2"	50*	25	95	1315
QYH2470	2 3/16"	55*	25	102	1533

27x36 mm

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYH2740	1 1/4"	50	28	70	1213
QYH2748	1 1/2"	50	28	75	1263
QYH2752	1 5/8"	50	28	76	1265
QYH2754	1 11/16"	50	28	76	1265
QYH2758	1 13/16"	50	28	82	1270
QYH2766	2 1/16"	55*	28	104	1603

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYH2770	2 3/16"	55*	28	104	1771
QYH2776	2 3/8"	60*	28	110	1874
QYH2782	2 9/16"	60*	28	118	2050

* Special specifications, torque values shall be adjusted as per the formula.

QOH Series Square Drive Open Box End

For Rectangular Shank Head Torque Wrenches

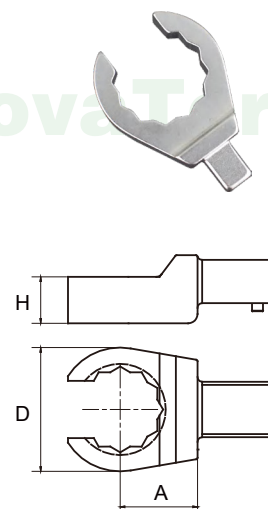
QOH Model

Metric

9x12 mm (Shank size)

Item No.	Ring Size	Open- ing mm	A mm	H mm	D mm	Weight g
QOH96	6	4.3	17.5	12	22	60
QOH97	7	5.3	17.5	12	22	60
QOH98	8	6	17.5	12	22	63
QOH99	9	6.5	17.5	12	22	63
QOH910	10	7.1	17.5	12	22	63
QOH911	11	8.6	17.5	12	22	62
QOH912	12	9	17.5	12	24	61
QOH913	13	10	17.5	12	25	63
QOH914	14	11	17.5	12	27	62
QOH915	15	12	17.5	13	28	69
QOH916	16	13	17.5	13	30	69
QOH917	17	14	17.5	13	31.5	68
QOH918	18	14.8	25*	13	33	77
QOH919	19	15.8	25*	13	34.5	82
QOH920	20	16	25*	13	35	92

Item No.	Ring Size	Open- ing mm	A mm	H mm	D mm	Weight g
QOH921	21	16.2	25*	13	37	92
QOH922	22	17	25*	13	37	95
QOH923	23	17.8	25*	13	38	97
QOH924	24	18	25*	13	39	97
QOH925	25	19	25*	13	41	100
QOH927	27	21	30*	13	44	105
QOH930	30	22	35*	13	48	115
QOH932	32	24	35*	13	51	120
QOH934	34	25	35*	13	54	120
QOH936	36	27	35*	13	58	122
QOH938	38	28	35*	13	58	122
QOH940	40	29.5	35*	13	62	125
QOH946	46	31	50*	13	71	150
QOH950	50	34	55*	13	77	165
QOH960	60	41	60*	13	91	180



14x18 mm

Item No.	Ring Size mm	Open- ing mm	A mm	H mm	D mm	Weight g
QOH146	6	4.3	25	13	32	135
QOH148	10	6	25	13	32	135
QOH149	9	6.5	25	13	32	135
QOH1410	10	7.1	25	13	32	135
QOH1412	12	9	25	13	32	135
QOH1413	13	10	25	13	32	135
QOH1414	14	11	25	13	32	140
QOH1415	15	11.5	25	13	32	145
QOH1416	16	13	25	13	32	145
QOH1417	17	14	25	13	32	145
QOH1418	18	14.8	25	15	33	150
QOH1419	19	15.8	25	15	34.5	150
QOH1420	20	16	25	15	35.5	155
QOH1421	21	16.2	25	15	35.5	155

Item No.	Ring Size mm	Open- ing mm	A mm	H mm	D mm	Weight g
QOH1422	22	17	25	15	38	155
QOH1423	23	18	25	15	38.5	155
QOH1424	24	18.5	25	15	40	155
QOH1425	25	19	25	15	41	155
QOH1426	26	19.3	30*	15	42	155
QOH1427	27	20	30*	15	45	155
QOH1428	28	21	35*	18	48	155
QOH1429	29	21.5	35*	18	48	155
QOH1430	30	22	35*	18	48	155
QOH1431	31	23	35*	18	51	155
QOH1432	32	24	35*	18	52	155
QOH1433	33	24.3	35*	18	52	155
QOH1434	34	25	40*	19	55	160
QOH1435	35	26	40*	19	56	162

Item No.	Ring Size mm	Open- ing mm	A mm	H mm	D mm	Weight g
QOH1436	36	27	40*	19	58	165
QOH1438	38	28	45*	19	61	175
QOH1441	41	30	50*	19	65	180
QOH1442	42	30.8	50*	19	66	180
QOH1444	44	31	50*	19	71	190
QOH1446	46	31	50*	19	71	190
QOH1447	47	31.5	50*	19	73	190
QOH1450	50	34	55*	19	77	195
QOH1455	55	36	55*	19	84	200
QOH1460	60	41	60*	19	91	210
QOH1465	65	46	65*	19	98	220
QOH1470	70	50	70*	19	105	230
QOH1475	75	55	75*	19	113	250

24x32 mm

Item No.	Ring Size mm	Open- ing mm	A mm	H mm	D mm	Weight g
QOH2418	18	14.8	35	25	46	615
QOH2419	19	15.8	35	25	46	627
QOH2421	21	16.2	35	25	60	700
QOH2424	24	18.5	35	25	60	705
QOH2427	27	20	35	25	63	710
QOH2430	30	22	35	25	67	755
QOH2432	32	24	35	25	69	755
QOH2434	34	25	40*	25	71	790

Item No.	Ring Size mm	Open- ing mm	A mm	H mm	D mm	Weight g
QOH2436	36	27	40*	25	73.5	830
QOH2438	38	28	45*	25	80	922
QOH2441	41	30	50*	25	83	980
QOH2446	46	32	50*	25	92	970
QOH2450	50	34	55*	25	98	1180
QOH2455	55	39	55*	25	106	1160
QOH2460	60	43	60*	25	114	1220
QOH2465	65	46	65*	25	122	1300
QOH2470	70	50	70*	25	128	1370

27x36 mm

Item No.	Ring Size mm	Open- ing mm	A mm	H mm	D mm	Weight g
QOH2730	30	22	50	28	75	1250
QOH2732	32	24	50	28	75	1250
QOH2736	36	27	50	28	76	1350
QOH2746	46	31	55	28	92	1450

* Special specifications, torque values shall be adjusted as per the formula.

QOYH Model

English

9x12 mm (Shank size)

Item No.	Ring Size	Opening mm	A mm	H mm	D mm	Weight g
QOYH98	1/4"	6.35	17.5	8	22	55
QOYH910	5/16"	5.9	17.5	12	22	63
QOYH912	3/8"	6.8	17.5	12	22	63
QOYH914	7/16"	8.5	17.5	12	22	62
QOYH916	1/2"	9.8	17.5	12	25	63
QOYH918	9/16"	11.2	17.5	13	27	62
QOYH920	5/8"	13	17.5	13	30	69

14x18 mm

Item No.	Ring Size	Opening mm	A mm	H mm	D mm	Weight g
QOYH1422	11/16"	14.4	25	15	33	150
QOYH1424	3/4"	15.9	25	15	34.5	150
QOYH1426	13/16"	15.9	25	16	35.5	155
QOYH1428	7/8"	17	25	16	37	155
QOYH1430	15/16"	18.3	25	16	40	155
QOYH1432	1"	19.3	25	16	41	155
QOYH1434	1 1/16"	20	30*	16	44	155
QOYH1436	1 1/8"	21.2	35*	16	48	155
QOYH1438	1 3/16"	22.1	35*	16	48	155
QOYH1440	1 1/4"	23.4	35*	16	51	155
QOYH1442	1 5/16"	24.5	35*	16	51	155
QOYH1452	1 5/8"	41.28	50*	16	65	180

* Special specifications, torque values shall be adjusted as per the formula.

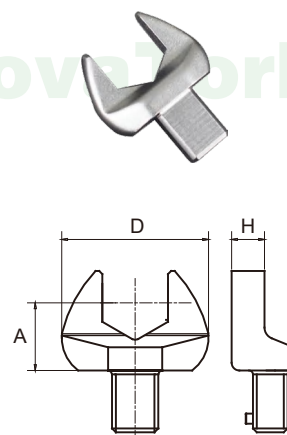
V-OH Series Square Drive V-shaped Open End

For Rectangular Shank Head Torque Wrenches

9x12 mm

Item No.	Opening mm	A mm	H mm	D mm	Weight g
V-OH97	7	17.5	5	22	40
V-OH98	8	17.5	5	22	39
V-OH99	9	17.5	5.5	26	38
V-OH910	10	17.5	5.5	26	42
V-OH911	11	17.5	5.5	26	41
V-OH912	12	17.5	7	30	43
V-OH913	13	17.5	7	30	48
V-OH914	14	17.5	8	35	52
V-OH915	15	17.5	8	35	51
V-OH916	16	17.5	8.5	38	58

Item No.	Opening mm	A mm	H mm	D mm	Weight g
V-OH917	17	17.5	8.5	38	60
V-OH918	18	20*	9	42	71
V-OH919	19	20*	9	42	74
V-OH920	20	20*	9	42	76
V-OH921	21	22*	11	46	95
V-OH922	22	22*	11	46	95
V-OH924	24	25*	11	48	106
V-OH927	27	30*	13	58	235
V-OH932	32	40*	13	64	267



14x18 mm

Item No.	Opening mm	A mm	H mm	D mm	Weight g
V-OH1413	13	25	7	30	128
V-OH1414	14	25	8	35	129
V-OH1415	15	25	8	35	132
V-OH1416	16	25	9	38	140
V-OH1417	17	25	9	38	136
V-OH1418	18	25	10	42	147

Item No.	Opening mm	A mm	H mm	D mm	Weight g
V-OH1419	19	25	10	42	145
V-OH1420	20	25	10	42	155
V-OH1421	21	25	11	50	171
V-OH1422	22	25	11	50	165
V-OH1424	24	25	12	53	167
V-OH1427	27	30*	13	60	219
V-OH1428	28	30*	13	60	222

Item No.	Opening mm	A mm	H mm	D mm	Weight g
V-OH1429	29	30*	13	60	222
V-OH1430	30	30*	14	66	245
V-OH1432	32	32.5*	14	66	246
V-OH1434	34	32.5*	14	66	239
V-OH1436	36	32.5*	14	66	275

* Special specifications, torque values shall be adjusted as per the formula.

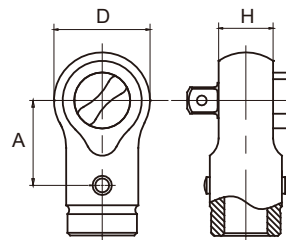
DR Series Round Hole Ratchet Head

(Clockwise & Counter-Clockwise)

For Round Holder Head Torque Wrenches

φ12, φ16, φ22 mm (Round hole)

Item No.	Square Drive	Round Hole mm	A mm	H mm	D mm	Weight g
DR12120	1/4"	φ12	20.5	16.2	30	100
DR16125	1/4"	φ16	31.8	21	38	150
DR162160	3/8"	φ16	31.8	21	38	175
DR163420	1/2"	φ16	31.8	21	40	280
DR2241200	3/4"	φ22	56	32	60	1200
DR2251200	1"	φ22	56	32	60	1300



OR Series Round Hole Open End

For Round Holder Head Torque Wrenches

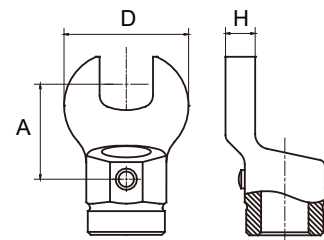
OR Model

Metric

φ12 mm (Round hole)

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OR125.5	5.5	20.5	5	22	68
OR126	6	20.5	5	22	68
OR127	7	20.5	5	22	66
OR128	8	20.5	5	22	64
OR129	9	20.5	5	26	74
OR1210	10	20.5	5	26	72

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OR1211	11	20.5	5	26	70
OR1212	12	20.5	5	26	68
OR1213	13	20.5	5	28	68
OR1214	14	20.5	5	28	68
OR1219	19	30.5	6	47	110



φ16 mm

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OR167	7	31.8	5.5	25.5	112
OR168	8	31.8	5.5	25.5	98
OR169	9	31.8	5.5	25.5	88
OR1610	10	31.8	5.5	25.5	80
OR1611	11	31.8	8	35	130
OR1612	12	31.8	8	35	125
OR1613	13	31.8	8	35	120
OR1614	14	31.8	8	35	115
OR1615	15	31.8	9	38	135
OR1616	16	31.8	9	38	130
OR1617	17	31.8	9	38	130
OR1618	18	31.8	10	42	140
OR1619	19	31.8	10	42	145
OR1620	20	31.8	13	51.5	215
OR1621	21	31.8	13	51.5	210
OR1622	22	31.8	13	51.5	210

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OR1623	23	31.8	13	51.5	205
OR1624	24	31.8	13	51.5	200
OR1625	25	31.8	13	57.5	250
OR1626	26	31.8	13	57.5	240
OR1627	27	31.8	13	57.5	230
OR1628	28	31.8	13	57.5	220
OR1629	29	31.8	13	65.5	290
OR1630	30	31.8	13	65.5	290
OR1631	31	31.8	13	65.5	288
OR1632	32	31.8	13	65.5	288
OR1633	33	41.8*	13	75	340
OR1634	34	41.8*	13	78	360
OR1635	35	41.8*	13	80	360
OR1636	36	41.8*	13	80	385
OR1638	38	41.8*	13	85	420
OR1639	39	41.8*	13	85	420

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OR1641	41	51.8*	13	95	320
OR1642	42	51.8*	13	95	330
OR1643	43	51.8*	13	95	330
OR1644	44	51.8*	13	95	345
OR1645	45	51.8*	13	95	345
OR1646	46	51.8*	13	95	345
OR1647	47	51.8*	13	95	345
OR1648	48	51.8*	13	95	345
OR1650	50	51.8*	13	95	345
OR1653	53	56.8*	13	116	690
OR1655	55	56.8*	13	116	690
OR1656	56	56.8*	13	116	690
OR1660	60	61.8	13	121	700
OR1665	65	61.8	13	126	710
OR1675	75	75	15	142.5	750

φ22 mm

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OR2217	17	56	25	65	810
OR2218	18	56	25	65	810
OR2219	19	56	25	65	810
OR2222	22	56	25	68	845
OR2223	23	56	25	70	845
OR2224	24	56	25	70	845
OR2225	25	56	25	70	845
OR2227	27	56	25	72	850
OR2228	28	56	25	72	850

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OR2229	29	56	25	75	850
OR2230	30	56	25	75	850
OR2232	32	56	25	76	855
OR2234	34	56	25	78	865
OR2235	35	56	25	80	865
OR2236	36	56	25	80	865
OR2238	38	56	25	90	1000
OR2241	41	56	25	95	1050
OR2246	46	56	25	100	1130

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OR2250	50	56	25	106	1280
OR2255	55	65*	25	119	1430
OR2256	56	65*	25	119	1430
OR2260	60	65*	25	130	1460
OR2265	65	65*	25	136	1500
OR2275	75	75*	25	142	1520

* Special specifications, torque values shall be adjusted as per the formula.

OYR Model

English

φ12 mm (Round hole)

Item No.	Opening	A mm	H mm	D mm	Weight g
OYR1216	1/2"	20.5	5	28	68

φ22 mm

Item No.	Opening	A mm	H mm	D mm	Weight g
OYR2246	1 7/16"	56	25	80	1000
OYR2248	1 1/2"	56	25	80	1000
OYR2252	1 5/8"	56	25	95	1050
OYR2256	1 3/4"	56	25	100	1100
OYR2264	2"	56	25	106	1150

* Special specifications, torque values shall be adjusted as per the formula.

φ16 mm

Item No.	Opening	A mm	H mm	D mm	Weight g
OYR168	1/4"	31.8	5	22	80
OYR1610	5/16"	31.8	5.5	24	98
OYR1612	3/8"	31.8	5.5	28	80
OYR1614	7/16"	31.8	8	30	130
OYR1616	1/2"	31.8	8	32	120
OYR1618	9/16"	31.8	8	35	115
OYR1620	5/8"	31.8	9	38	130
OYR1622	11/16"	31.8	9	38	130
OYR1624	3/4"	31.8	10	42	145
OYR1626	13/16"	31.8	13	50	175
OYR1628	7/8"	31.8	13	50	175
OYR1630	15/16"	31.8	13	53	180

Item No.	Opening	A mm	H mm	D mm	Weight g
OYR1632	1"	31.8	13	53	180
OYR1634	1 1/16"	31.8	13	64	215
OYR1636	1 1/8"	31.8	13	68	220
OYR1638	1 3/16"	31.8	13	70	225
OYR1640	1 1/4"	31.8	13	70	225
OYR1642	1 5/16"	41.8*	13	75	240
OYR1646	1 7/16"	41.8*	13	80	290
OYR1648	1 1/2"	41.8*	13	85	310
OYR1652	1 5/8"	51.8*	13	90	320
OYR1656	1 3/4"	51.8*	13	98	330
OYR1664	2"	51.8*	13	95	345

QR Series Round Hole Box End

For Round Holder Head Torque Wrenches

QR Model

Metric

φ12 mm (Round hole)

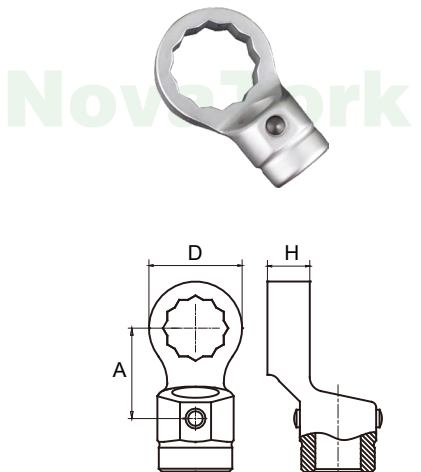
Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QR126	6	20.5	5	13	67
QR127	7	20.5	5	13	65
QR128	8	20.5	5	13	63
QR129	9	20.5	5	14.5	63

φ16 mm

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QR167	7	31.8	8	13	70
QR168	8	31.8	8	14	74
QR169	9	31.8	9	16	78
QR1610	10	31.8	11	16	82
QR1611	11	31.8	11	18.5	87
QR1612	12	31.8	11	21.5	93
QR1613	13	31.8	11	21.5	100
QR1614	14	31.8	11	23	105
QR1615	15	31.8	11	24	111
QR1616	16	31.8	12	26	118

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QR1210	10	20.5	5	16	63
QR1211	11	20.5	5	17.5	63
QR1212	12	20.5	5	19	63

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QR1617	17	31.8	12	27	125
QR1618	18	31.8	12	28.5	132
QR1619	19	31.8	12	30.5	140
QR1620	20	31.8	15	33	150
QR1621	21	31.8	15	33	155
QR1622	22	31.8	15	34.5	155
QR1623	23	31.8	15	36	155
QR1624	24	31.8	15	37.5	160
QR1625	25	31.8	15	40	165
QR1626	26	31.8	16	41.5	175



φ22 mm

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QR1646	46	51.8	18	68	250
QR1650	50	51.8	18	78	280
QR1655	55	51.8	18	86	300
QR2222	22	56	25	62	900
QR2224	24	56	25	65	1000
QR2227	27	56	25	68	1050

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QR2228	28	56	25	68	1050
QR2230	30	56	25	72	1100
QR2231	31	56	25	74	1100
QR2232	32	56	25	74	1100
QR2233	33	56	25	74	1100
QR2234	34	56	25	76	1150

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QR2236	36	56	25	80	1150
QR2241	41	56	25	80	1200
QR2246	46	56	25	84	1250
QR2250	50	56	25	84	1250
QR2255	55	56	25	90	1300
QR2260	60	61	25	94	1350
QR2265	65	65	25	100	1400

QYR Model

English

φ16 mm

(Round hole)

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYR168	1/4"	31.8	8	13	70
QYR1610	5/16"	31.8	8	14.2	77
QYR1612	3/8"	31.8	8	17	92
QYR1614	7/16"	31.8	10	18.5	98
QYR1616	1/2"	31.8	11	22	100
QYR1618	9/16"	31.8	11	23	105
QYR1620	5/8"	31.8	12	26	118
QYR1622	11/16"	31.8	12	28.5	118

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYR1624	3/4"	31.8	12	30.5	140
QYR1626	13/16"	31.8	15	33	150
QYR1628	7/8"	31.8	15	34.5	155
QYR1630	15/16"	31.8	15	37.5	160
QYR1632	1"	31.8	16	41.5	165
QYR1634	1 1/16"	31.8	16	41.5	175
QYR1636	1 1/8"	31.8	16	45	185
QYR1640	1 1/4"	31.8	16	47.5	185

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYR1642	1 5/16"	41.8*	16	51	200
QYR1646	1 7/16"	41.8*	16	55	210
QYR1648	1 1/2"	41.8*	16	58	220
QYR1652	1 5/8"	51.8*	18	65	235
QYR1656	1 3/4"	51.8*	18	68	245
QYR1660	1 7/8"	51.8*	18	72	258
QYR1662	1 15/16"	51.8*	18	74	260
QYR1664	2"	51.8*	18	75	260

φ22 mm

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYR2216	1/2"	56	25	30	480
QYR2224	3/4"	56	25	50	800
QYR2246	1 7/16"	56	25	76	1150

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYR2248	1 1/2"	56	25	80	1180
QYR2252	1 5/8"	56	25	82	1200
QYR2256	1 3/4"	56	25	84	1250

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QYR2258	1 13/16"	56	25	84	1250
QYR2264	2"	56	25	84	1300

* Special specifications, torque values shall be adjusted as per the formula.

QOR Series Round Hole Open Box End

For Round Holder Head Torque Wrenches

QOR Model

Metric

φ12 mm

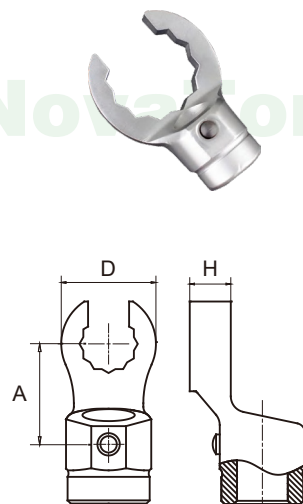
(Round hole)

Item No.	Ring Size mm	Opening mm	A mm	H mm	D mm	Weight g
QOR126	6	4.5	20.5	5	17	76
QOR127	7	5	20.5	5	17	74
QOR128	8	6	20.5	5	17	72
QOR129	9	6.5	20.5	5	18.5	72
QOR1210	10	7.1	20.5	5	20	72
QOR1211	11	8.6	20.5	5	21.5	72
QOR1212	12	9	20.5	5	23	72

φ16 mm

Item No.	Ring Size mm	Opening mm	A mm	H mm	D mm	Weight g
QOR167	7	5	31.8	9	16	85
QOR168	8	6	31.8	9	18	88
QOR169	9	6.5	31.8	10	20	92
QOR1610	10	7.1	31.8	12	22	97
QOR1611	11	8.6	31.8	12	22	102
QOR1612	12	9	31.8	12	24	107
QOR1613	13	10	31.8	12	25	112
QOR1614	14	11	31.8	13	27	118
QOR1615	15	11.5	31.8	13	29	125

Item No.	Ring Size mm	Opening mm	A mm	H mm	D mm	Weight g
QOR1616	16	13	31.8	13	30	130
QOR1617	17	14	31.8	13	31.5	137
QOR1618	18	14.8	31.8	13	33	143
QOR1619	19	15.8	31.8	13	34.5	150
QOR1620	20	16	31.8	16	35.5	170
QOR1621	21	16.2	31.8	16	35.5	170
QOR1622	22	17	31.8	16	37	170
QOR1623	23	18	31.8	16	38.5	170
QOR1624	24	18.5	31.8	16	40	170



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(Cont'd)

Item No.	Ring Size mm	Opening mm	A mm	H mm	D mm	Weight g
QOR1625	25	19	31.8	16	41	170
QOR1626	26	19.3	31.8	16	42	170
QOR1627	27	20	31.8	16	44	170
QOR1628	28	21	31.8	16	48	170
QOR1629	29	21.5	31.8	16	48	170
QOR1630	30	22	31.8	16	48	170
QOR1631	31	23	31.8	16	51	170
QOR1632	32	24	31.8	16	51	170
QOR1636	36	27	41.8	16	65	200
QOR1641	41	30	51.8	18	75	220

QOYR Model

English

φ16 mm (Round hole)

Item No.	Ring Size	Opening mm	A mm	H mm	D mm	Weight g
QOYR1608	1/4"	4.5	31.8	9	16	85
QOYR1616	1/2"	9.8	31.8	12	25	112
QOYR1618	9/16"	11.2	31.8	13	29	125
QOYR1620	5/8"	13	31.8	13	30	130
QOYR1622	11/16"	14.4	31.8	13	33	143
QOYR1624	3/4"	15.9	31.8	13	34.5	150
QOYR1626	13/16"	16	31.8	16	35.5	170
QOYR1628	7/8"	17	31.8	16	37	170
QOYR1630	15/16"	18.3	31.8	16	40	170

φ22 mm

Item No.	Ring Size	Opening mm	A mm	H mm	D mm	Weight g
QOYR2246	1 7/16"	27	56	25	73.5	1150
QOYR2248	1 1/2"	28	56	25	73.5	1180
QOYR2252	1 5/8"	30	56	25	83	1200

Item No.	Ring Size mm	Opening mm	A mm	H mm	D mm	Weight g
QOR1646	46	31	51.8	18	82	235
QOR1650	50	34	51.8	18	90	255
QOR1660	60	41	61.8	18	91	260

φ22 mm

Item No.	Ring Size mm	Opening mm	A mm	H mm	D mm	Weight g
QOR2250	50	34	56	25	98	1300
QOR2260	60	41	65	25	100	1350

Item No.	Ring Size	Opening mm	A mm	H mm	D mm	Weight g
QOYR1632	1"	19.3	31.8	16	42	170
QOYR1634	1 1/16"	20	31.8	16	45	170
QOYR1636	1 1/8"	21.2	31.8	16	45	170
QOYR1640	1 1/4"	23.4	31.8	16	51	170
QOYR1646	1 7/16"	27.1	41.8*	16	65	200
QOYR1648	1 1/2"	28	41.8*	16	70	210
QOYR1652	1 5/8"	30.6	51.8*	18	75	220
QOYR1656	1 3/4"	31	51.8*	18	82	235
QOYR1664	2"	34	51.8*	18	90	255

Item No.	Ring Size	Opening mm	A mm	H mm	D mm	Weight g
QOYR2256	1 3/4"	31	56	25	84	1250
QOYR2264	2"	34	56	25	98	1300

* Special specifications, torque values shall be adjusted as per the formula.

OD Series Square Hole Crowfoot Head

For Ratchet Head Torque Wrenches

OD Model

Metric

1/4" (Square hole)

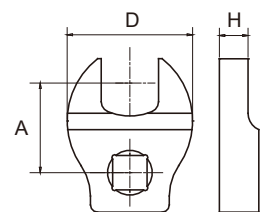
Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD16	6	17.5	5	16	25
OD17	7	17.5	5	22	32
OD18	8	17.5	5	22	32
OD19	9	17.5	5	24	33
OD110	10	17.5	5	26	36
OD112	12	17.5	5	29	36
OD113	13	17.5	5	29	37.5

3/8"

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD28	8	25	5	22	42.5
OD29	9	25	5	26	46
OD210	10	25	5.5	26	48
OD211	11	25	5.5	26	48
OD212	12	25	7	30	60

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD114	14	17.5	5	29	37.5
OD115	15	17.5	5	30	39
OD116	16	22.5	5	32	41.5
OD117	17	22.5	5	32	44.5
OD119	19	22.5	5	35.5	47
OD122	22	22.5	5	40.5	51

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD213	13	25	7	32	63
OD214	14	25	8	33	64
OD215	15	25	8	35	70
OD216	16	25	8	35	70
OD217	17	25	8	35	70



Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD218	18	30	8	38	89
OD219	19	30	8	42	89
OD220	20	30	8	44	91
OD221	21	30	8	46	94
OD222	22	30	8	48	96

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(Cont'd)

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD223	23	30	8	52	101
OD224	24	30	8	52	101
OD225	25	30	8	52	101
OD226	26	30	8	55	100
OD227	27	30	8	55	100

1/2"

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD310	8	35	8	33	68
OD310	10	35	8	33	68
OD311	11	35	8	33	68
OD312	12	35	8	33	68
OD313	13	35	8	33	68
OD314	14	35	8	33	68
OD315	15	35	9	35	77
OD316	16	35	9	35	77
OD317	17	35	9	35	77
OD318	18	35	10	39	85
OD319	19	35	10	39	85
OD320	20	40	10	40	92
OD321	21	40	10	42	95
OD322	22	40	10	43	96

3/4"

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD411	11	35	14	50	350
OD417	17	35	20	62.5	431
OD421	21	35	20	66	470
OD422	22	35	20	70	500

1"

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD524	24	60	28	85	1267
OD527	27	60	28	85	1278
OD530	30	60	28	87	1326
OD532	32	60	28	90	1390
OD534	34	60	28	90	1390

OYD Model

English

1/4"

(Square hole)

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD18	1/4"	17.5	5	22	32
OYD19	9/32"	17.5	5	22	33.5
OYD110	5/16"	17.5	5	24	35.5

3/8"

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD28	1/4"	25	5	22	50
OYD210	5/16"	25	5	22	50
OYD211	11/32"	25	5	26	50
OYD212	3/8"	25	5	26	55
OYD214	7/16"	25	5.5	26	61
OYD216	1/2"	25	7	32	97
OYD218	9/16"	25	8	35	123
OYD220	5/8"	25	8	35	125

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD228	28	35	8	56	115
OD230	30	40	8	58	118
OD232	32	40	8	58	118
OD234	34	45	8	65	135
OD236	36	45	8	70	145

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD323	23	40	10	48	96
OD324	24	40	10	48	98
OD325	25	40	14	50	105
OD326	26	45	14	51	110
OD327	27	45	14	51	110
OD328	28	45	14	53	110
OD329	29	45	14	56.5	111
OD330	30	45	14	57	112
OD331	31	45	14	60	114
OD332	32	45	14	60	114
OD333	33	45	14	62	115
OD334	34	51	14	64	116
OD336	36	51	14	70	118
OD338	38	51	14	72	120

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD424	24	35	20	70	513
OD429	29	45	20	72	609
OD430	30	45	20	72	609
OD432	32	45	20	72	609

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD536	36	60	28	93	1412
OD541	41	60	28	100	1575
OD546	46	60	28	100	1616
OD550	50	65	28	110	1902
OD555	55	65	28	120	2112

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD111	11/32"	17.5	5	24	37.5
OYD112	3/8"	17.5	5	26	41
OYD118	9/16"	17.5	5	30	45

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD222	11/16"	25	8	35	126
OYD224	3/4"	30	8	42	172
OYD226	13/16"	30	8	45	188
OYD228	7/8"	30	8	48	202
OYD230	15/16"	30	8	52	223
OYD232	1"	30	8	52	101
OYD234	1 1/16"	30	8	55	100
OYD236	1 1/8"	35	8	60	293

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD240	40	45	8	80	150
OD241	41	45	8	80	150
OD242	42	50	8	85	165
OD246	46	50	8	90	165
OD250	50	55	8	100	175

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD340	40	51	14	82	122
OD341	41	51	14	82	122
OD342	42	51	14	82	122
OD343	43	51	14	85	125
OD344	44	51	14	85	125
OD346	46	56	14	89	125
OD347	47	56	14	92	130
OD348	48	56	14	94	134
OD350	50	56	14	97	135
OD352	52	56	14	100	145
OD354	54	60	14	100	145
OD355	55	60	14	100	145
OD362	62	65	14	110	150
OD375	75	70	14		160

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD436	36	45	20	80	704
OD441	41	51	20	88	846
OD450	50	55	20	95	994
OD455	55	60	20	102	1000

Item No.	Opening mm	A mm	H mm	D mm	Weight g
OD560	60	65	28	130	2296
OD565	65	70	28	136	2591
OD572	72	75	28	149	2650

* Special specifications, torque values shall be adjusted as per the formula.

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(Cont'd)

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD254	1 11/16"	50	8	85	465
OYD256	1 3/4"	50	8	90	495
OYD258	1 13/16"	50	8	90	500
OYD260	1 7/8"	55	8	100	550
OYD262	1 15/16"	55	8	100	500
OYD264	2"	55	8	100	550

1/2"

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD314	7/16"	35	8	31	144
OYD316	1/2"	35	9	31	164
OYD318	9/16"	35	8	33	155
OYD320	5/8"	35	9	35	160
OYD322	11/16"	35	9	35	189
OYD324	3/4"	35	10	39	210
OYD326	13/16"	40	10	42	220
OYD328	7/8"	40	10	43	290
OYD330	15/16"	40	10	48	325
OYD332	1"	40	14	52	550

3/4"

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD426	13/16"	45	20	66	1072
OYD428	7/8"	45	20	68	1111
OYD430	15/16"	45	20	70	1174
OYD434	1 1/16"	45	20	72	1206
OYD444	1 3/8"	45	20	77	1250

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD266	2 1/16"	55	8	100	550
OYD268	2 1/8"	55	8	100	550
OYD270	2 3/16"	55	8	100	135
OYD272	2 1/4"	60*	8	110	605
OYD274	2 5/16"	60*	8	110	605
OYD276	2 3/8"	60*	8	110	605

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD334	1 1/16"	45	14	52	593
OYD336	1 1/8"	40	14	60	593
OYD338	1 3/16"	45	14	60	665
OYD340	1 1/4"	45	14	60	665
OYD342	1 5/16"	50	14	64	750
OYD344	1 3/8"	50	14	73	750
OYD346	1 7/16"	50	14	80	945
OYD348	1 1/2"	51	14	72	1000
OYD350	1 9/16"	51	14	80	1000
OYD352	1 5/8"	51	14	82	1000

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD278	2 7/16"	60*	8	110	605
OYD280	2 1/2"	65*	8	117	645
OYD282	2 9/16"	65*	8	117	645
OYD284	2 5/8"	65*	8	117	645
OYD288	2 3/4"	65*	8	117	645
OYD292	2 7/8"	65*	8	117	645

Item No.	Opening	A mm	H mm	D mm	Weight g
OYD354	1 11/16"	56	14	89	1000
OYD356	1 3/4"	56	14	89	1110
OYD358	1 13/16"	56	14	89	1110
OYD360	1 7/8"	56	14	94	1175
OYD364	2"	56	14	94	1175
OYD368	2 1/8"	60	14	110	1475
OYD370	2 3/16"	60	14	115	1475
OYD372	2 1/4"	60	14	115	1475
OYD376	2 3/8"	60	14	118	1475

* Special specifications, torque values shall be adjusted as per the formula.

QOD Series Square Hole Open Box End

For Ratchet Head Torque Wrenches

QOD Model

Metric

1/4"

(Square hole)

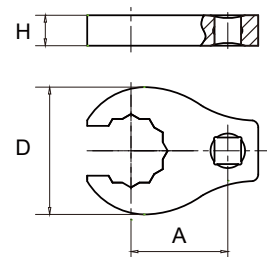
Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD17	7	17.5	8	22	48
QOD18	8	17.5	8	22	48
QOD19	9	17.5	8	24	52.5
QOD110	10	17.5	8	26	54
QOD111	11	17.5	8	28.7	56

3/8"

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD27	7	25	8	22	42
QOD28	8	25	8	22	42.5
QOD29	9	25	8	22	46
QOD210	10	25	8	22	50
QOD211	11	25	8	26	50
QOD213	13	30	8	32	60
QOD214	14	30	8	33	60

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD112	12	17.5	8	28.7	56
QOD113	13	17.5	8	28.7	56
QOD114	14	17.5	8	33	67.5
QOD119	19	20	8	35.5	75

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD215	15	30	8	36	90
QOD216	16	30	8	36	90
QOD217	17	30	11	42	130
QOD218	18	30	11	42	130
QOD219	19	30	11	42	130
QOD220	20	35	11	44.6	132
QOD221	21	35	11	45.9	132



Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD222	22	35	11	45.9	135
QOD223	23	35	11	46	135
QOD224	24	35	11	46	135
QOD225	25	35	11	48.5	145
QOD226	26	35	11	52	155
QOD227	27	35	11	52	155

1/2"

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD314	14	35	14	33	158
QOD317	17	35	14	35	160
QOD320	20	40	14	42	165
QOD321	21	40	14	42	165
QOD322	22	40	14	43	170
QOD324	24	40	14	48	175

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD328	28	40	14	60	265
QOD330	30	40	14	60	265
QOD332	32	40	14	67	295
QOD334	34	45	14	70	305
QOD336	36	45	14	70	305
QOD338	38	50	14	70	305

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD340	40	50	14	76	315
QOD341	41	50	14	76	315
QOD342	42	50	14	76	315
QOD346	46	50	14	76	315
QOD350	50	50	14	86	330

3/4"

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD446	46	55	23	95	330
QOD450	50	55	23	98	345
QOD455	55	60	23	106	360
QOD460	60	65	23	114	375
QOD465	65	68	23	122	380

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD470	70	70	23	128	385
QOD475	75	72	23	135	390
QOD480	80	75	23	142	395
QOD490	90	80	23	154	400
QOD495	95	85	23	160	425

1"

Item No.	Ring Size mm	A mm	H mm	D mm	Weight g
QOD532	32	55	28	60.5	320
QOD536	36	55	28	65.2	330

QOYD Model

English

1/4" (Square hole)

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QOYD112	3/8"	17.5	8	24	52.5
QOYD114	7/16"	17.5	8	28.7	56
QOYD116	1/2"	17.5	8	28.7	56
QOYD118	9/16"	17.5	8	28.7	56

1/2"

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QOYD336	1 1/8"	40	14	60	265
QOYD340	1 1/4"	40	14	67	295
QOYD342	1 5/16"	45	14	70	305
QOYD344	1 3/8"	45	14	70	305
QOYD346	1 7/16"	50	14	70	305
QOYD348	1 1/2"	50	14	70	305
QOYD350	1 9/16"	50	14	76	315

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QOYD352	1 5/8"	50	14	76	315
QOYD356	1 3/4"	50	14	76	315
QOYD358	1 13/16"	50	14	76	315
QOYD364	2"	60	14	100	370
QOYD372	2 1/4"	60	14	114	380
QOYD374	2 5/16"	60	14	114	380
QOYD376	2 3/8"	65	14	120	395

3/8"

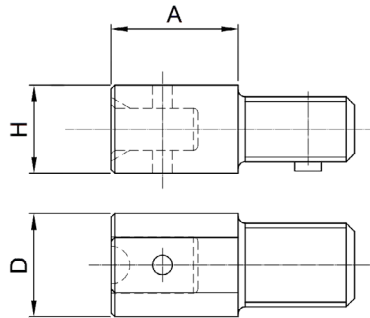
Item No.	Ring Size	A mm	H mm	D mm	Weight g
QOYD212	3/8"	25	8	22	42
QOYD214	7/16"	25	8	26	70
QOYD216	1/2"	25	8	30	68.5
QOYD218	9/16"	30	8	34	84
QOYD220	5/8"	30	8	36	90
QOYD222	1 1/16"	30	11	42	130
QOYD224	3/4"	30	11	42	130
QOYD226	13/16"	35	11	44.6	130
QOYD228	7/8"	35	11	45.9	135
QOYD230	15/16"	35	11	46	135
QOYD232	1"	35	11	48.5	145
QOYD234	1 1/16"	35	11	52	155

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QOYD236	1 1/8"	35	11	56	166
QOYD238	1 3/16"	35	11	56	155
QOYD240	1 1/4"	35	11	60	175
QOYD242	1 5/16"	35	11	62	200
QOYD244	1 3/8"	40	11	67.75	512
QOYD246	1 7/16"	40	11	70	217.5
QOYD248	1 1/2"	45	11	80	225
QOYD250	1 9/16"	45	11	80	225
QOYD252	1 5/8"	45	11	80	225
QOYD254	1 11/16"	50	11	85	247
QOYD256	1 3/4"	50	11	85	247
QOYD258	1 13/16"	50	11	85	247

Item No.	Ring Size	A mm	H mm	D mm	Weight g
QOYD260	1 7/8"	55	11	91	265
QOYD262	1 15/16"	55	11	91	265
QOYD264	2"	55	11	91	265
QOYD268	2 1/8"	60	11	110	1150
QOYD270	2 3/16"	60	11	115	1150
QOYD272	2 1/4"	60	11	115	1150
QOYD276	2 3/8"	60	11	118	1150
QOYD284	2 5/8"	70	11	120	1380
QOYD288	2 3/4"	70	11	125	1400
QOYD2100	3 1/8"	75	11	130	1500

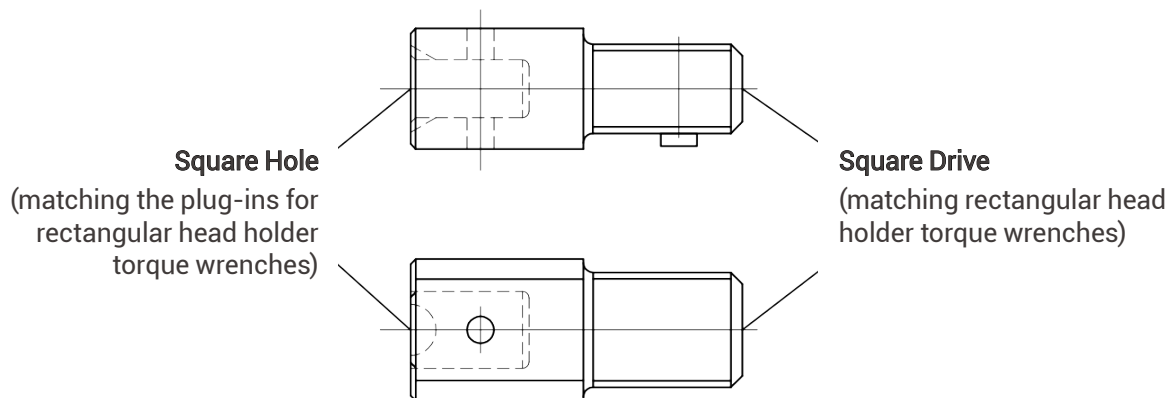
CH Series Square Drive Adapter

Square drive adapters for torque wrenches are designed to enable conversion between different square drive sizes.



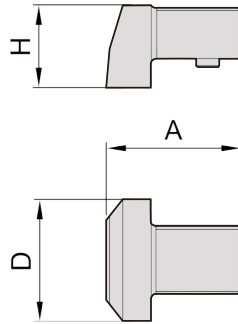
Metric

Item No.	Square Drive Shank Size		A	H	D	Weight
	mm	mm				
CH9-14	9x12	14x18	41.5	25.2	32	102
CH14-9	14x18	9x12	27	18.8	22.1	180
CH14-24	14x18	24x32	64.5	38	56	500
CH24-14	24x32	14x18	41.5	25.2	32	700
CH24-27	24x32	27x36	64	42	64	975
CH27-24	27x36	24x32	64.5	38	56	1025



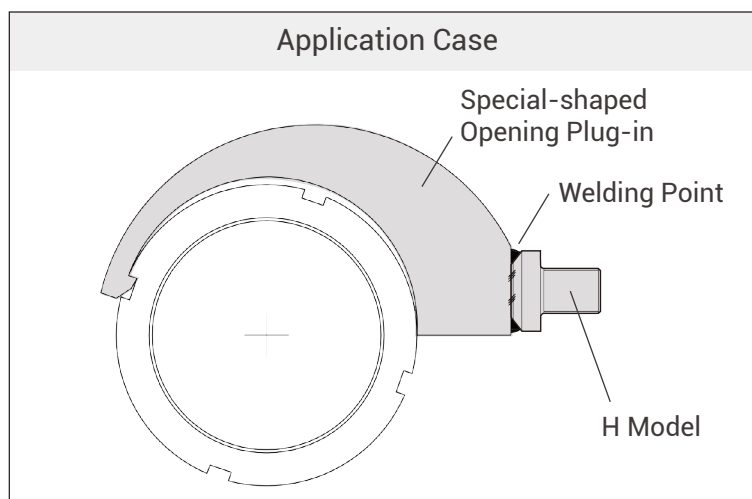
H Series Welding Joint Fitting

Various special-shaped opening parts can be flexibly welded.



Metric

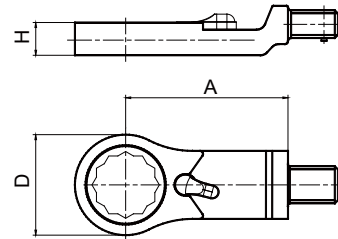
Item No.	Shank Size	A	H	D	Weight
	mm	mm	mm	mm	g
H912	9x12	23.8	14.5	21.5	27
H1418	14x18	38	21.4	30	92
H2432	24x32	66	36.5	35	430



BQH Series Box Ratchet Head

(Clockwise & Counter-Clockwise)

For Rectangular Shank Head Torque Wrenches



9x12 mm (Shank size) Metric

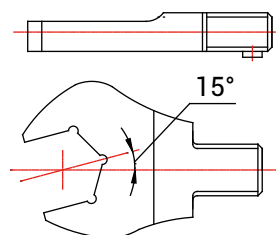
Item No.	Box size mm	L mm	H mm	D mm	Max. Torque
BQH98S	8	36	7.5	20	34
BQH99S	9	40	7.6	22	45
BQH910S	10	42	7.6	22	58
BQH911S	11	42	8.6	24	72
BQH912S	12	42	9.1	25	89
BQH913S	13	42	9.4	26	100
BQH914S	14	42	9.6	28	125
BQH915S	15	45	10.1	28	145
BQH916S	16	45	10.6	29.5	160
BQH917S	17	52	10.6	32.5	160
BQH918S	18	52	11.1	32.5	160
BQH919S	19	52	11.5	35.5	160
BQH920S	20	52	12.7	35.5	160
BQH921S	21	52	13.8	42	160
BQH922S	22	52	13.8	42	160

14x18 mm

Item No.	Box size mm	L mm	H mm	D mm	Max. Torque
BQH1417S	17	52	10.6	32.5	200
BQH1418S	18	52	11.1	32.5	230
BQH1419S	19	52	11.5	35.5	230
BQH1421S	21	52	13.8	42	330
BQH1422S	22	52	13.8	42	360
BQH1423S	23	52	14.1	42	360
BQH1424S	24	52	14.6	47	360
BQH1425S	25	52	14.6	47	360
BQH1426S	26	55	15.1	52	360
BQH1427S	27	55	15.6	52	360
BQH1428S	28	55	15.6	52	360
BQH1429S	29	58	16.5	58	360
BQH1430S	30	58	17.1	58	360
BQH1431S	31	62	17.1	61.5	360
BQH1432S	32	62	17.6	61.5	360
BQH1433S	33	62	17.6	61.5	360

OH_A15 Series Open End

For Rectangular Shank Head Torque Wrenches



9x12 mm (Shank size) **Metric**

Item No.	Description	Finish	Material
OH913A15	13mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH914A15	14mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH917A15	17mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH919A15	19mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH920A15	20mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH921A15	21mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH922A15	22mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH924A15	24mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH927A15	27mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH930A15	30mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH932A15	32mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH936A15	36mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH941A15	41mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH950A15	50mm 15 degree angle	QPQ	42CrMo/ 50CrV

14x18 mm

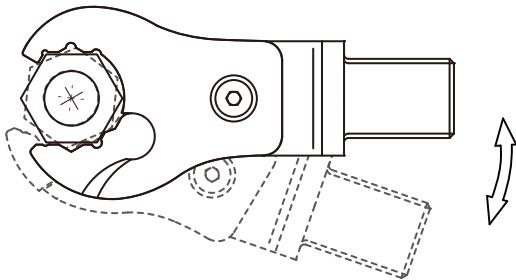
Item No.	Description	Finish	Material
OH1441A15	41mm 15 degree angle	QPQ	42CrMo/ 50CrV
OH1450A15	50mm 15 degree angle	QPQ	42CrMo/ 50CrV

ODrH Series

Live Opening Ratchet Torque Wrench Fittings

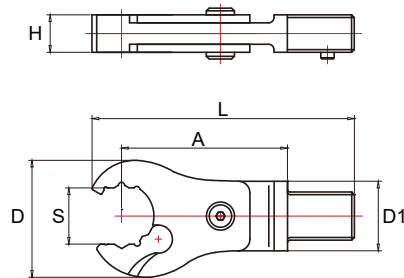
For Rectangular Shank Head Torque Wrenches

★ Patented Product ★



Easy Operation

Turn back and forth until the bolts are well tightened.
No need to pull out the tool during the process.



9x12 mm (Shank size) Metric

Item No.	Opening Size S	A	H	D	D1	L	Weight	Matching
	mm	mm	mm	mm	mm	mm	g	
ODrH910	10	27	9	20.5	16	48.3	0.1	Bolt M6
ODrH913	13	35	9	26.5	16	58	0.16	Bolt M8
ODrH914	14	38	9	28.5	16	61.5	0.24	Bolt M8
ODrH916	16	43	10	32.8	18	67.5	0.26	Bolt M10
ODrH917	17	46	10	35	20	71	0.27	Bolt M10
ODrH918	18	48	11	36.5	20	73.5	0.28	Bolt M12
ODrH921	21	62	14	43.7	26	89	0.34	Bolt M14

14x18 mm

Item No.	Opening Size S	A	H	D	D1	L	Weight	Matching
	mm	mm	mm	mm	mm	mm	g	
ODrH1421	21	62	14	43.7	26	98	0.37	Bolt M14
ODrH1424	24	68	15	53	28	105.5	0.4	Bolt M16
ODrH1427	27	70	16	54.5	32	108	0.41	Bolt M18

24x32 mm

Item No.	Opening Size S	A	H	D	D1	L	Weight	Matching
	mm	mm	mm	mm	mm	mm	g	
ODrH2430	30	77	20	60.5	36	132.5	0.5	Bolt M20
ODrH2434	34	85	20	68.5	38	142.5	0.54	Bolt M22
ODrH2436	36	85	22	72.5	40	143.5	0.55	Bolt M24

NovaTork® 's Special Services

Pre-sales	After-sales	Customization
• Understand customer needs & recommend torque tools; • Torque knowledge training for domestic users (paid service)	• Free calibration within 1 year for domestic users; • Spare parts supply	• Product customization according to working conditions, providing solutions for special workstations, functions and spaces.

Torque Solutions & Smart Wireless Applications

Novatork empowers industries to conquer torque challenges globally.
Today, Novatork's Smart Wireless Solutions are implemented as cutting-edge technology in enterprise applications.

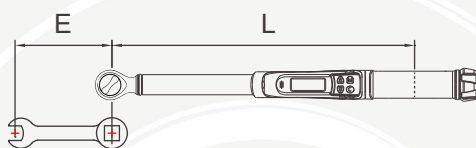


Non-standard Customized Cases



Calculation of Using Non-Standard Inserts for Electronic Torque Wrenches

When using a torque wrench with an extended head will cause the applied torque to be different from the actual required torque value. Therefore, the target torque value set on the wrench should be calculated according to the following formula.



$$K = \frac{L}{L+E}$$

K — The ratio set on the wrench

L — Arm Length of Wrench

E — Effective Length of Head

$$T(W) = T \cdot K$$

T (W) — Torque set on the wrench

T — Torque applied by extensional (desired torque)

What is TORQUE

The torque is equal to the arm of force (L) multiply the applied force (F).
E.g. $F = 100\text{N}$, $L = 2\text{m}$, then $T = 100 \times 2 = 200 \text{ N} \cdot \text{m}$



$$T = F \cdot L$$

T – Torque

F – Applied force

L – Arm of force

Torque Unit

F – N (Newton), Lb (Pound), Kg (Kilogram)

L – m (Meter), cm (Centimeter), ft (Foot), in (Inch)

T – N.m (Newton meter), cN.m (Newton centimeter), Lb.ft (Foot-pound)

Lb.in (Inch-pound), Kg.m (Kilogram-meter), cKg.m (Kilogram-centimeter)

Bolt & Torque

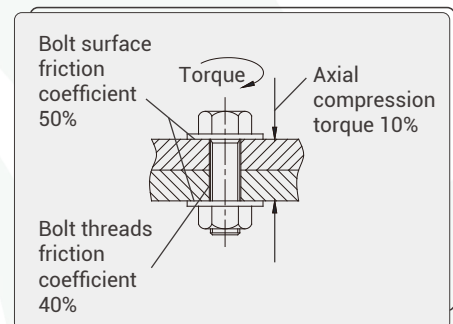
Strength of bolt ↑, and Torque ↑;

Bolt surface friction coefficient ↑, and Torque ↑;

Bolt threads friction coefficient ↑, and Torque ↑;

Bolt specification ↑, and Torque ↑.

The approximate percentage of torque acting on the bolt:



Bolt Grade & Mark

Bolt grade is marked as below:



E.g. Bolt grade 4.6, means:

(1) Tensile strength of bolt material is 400MPa

(2) Yield ratio of bolt material is 0.6

(3) Bolt yield strength is $400 \times 0.6 = 240\text{MPa}$

$$\left(\text{Yield ratio} = \frac{\text{Yield strength}}{\text{Tensile strength}} \right)$$

Bolt grade 3.6, 4.6, 4.8, 5.6, 5.8, 6.8, 8.8, 9.8, 10.9, 12.9, etc.

High strength bolt's grade is above 8.8, others are called common bolt.

Bolt grade mark:



Hex Bolt



Allen Bolt

Torque Unit Conversion

	N·m	kg·m	Lb·ft	Lb·in
1 N·m =	1	0.101972	0.737562	8.850744
1 kg·m =	9.80665	1	7.23301	86.79612
1 Lb·ft =	1.35582	0.138255	1	12
1 Lb·in =	0.112985	0.011521	0.083333	1

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