

TORQUE-TECH

TORQUE-TECH PRECISION CO.,LTD

Specialized
In Manufacture
& Development

MAIN PRODUCTS

Various Industrial Torque Wrench

TORQUE-TECH

TORQUE-TECH PRECISION CO.,LTD



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HISTORY

Establishing in year 2000, Torque-Tech Precision Co., Ltd was specialized in the processing of CNC lathe and Machining Centers (M/C) at the initial stage. Afterwards, we get into the professional industrial field of the torque wrenches and endeavor to be the expertise on the innovation. We are used to carrying out each step in great caution and will achieve the next new milestone based on our potential growth momentum.

QUALITY & COMMITMENT

Torque-Tech has been continuing to invest in the product development and technology integration, as well as introducing the QC system, measuring instruments and calibration certificates to promote the competence. Every product is fully complied with DIN ISO 6789 & ASME B107.14M-2004 standard and the quality system is in accordance with ISO 9001:2008. An in-house laboratory approved by the international accreditation foundation has been set up to calibrate the manual torque tools, mechanical test devices and torque transducers.

VISIONS AND PROSPECTS

Upholding the spirit of putting our customers first, we always take the customer's satisfaction as our ultimate goal and build up the long-term strategic partnership with clients as its principles. Torque-Tech will continue to make the effort for developing the professional torque products to the market demands. All we did is dedicating to make the company to maintain the leading performance of the technology in the torque industry.



▲ TESTING LABORATORY

INSPECTION EQUIPMENT



▲ RADIUS ENDED BEAM



▲ 3D COORDINATE MEASUREMENT MACHINE



▲ 2D VISION MEASUREMENT MACHINE



▲ TEMPERATURE & HUMIDITY CHAMBER



▲ MOUNTING PRESS MACHINE



▲ MICRO HARDNESS TESTER



▲ TENSION TESTER



▲ GRINDING & POLISHING MACHINE



▲ VICKERS HARDNESS TESTER



▲ K VALUE TESTER



▲ TORQUE TESTING MACHINE



▲ ROCKWELL HARDNESS TESTER

PRODUCTION PROCESS

INDEX



▲ HOT FORGE



▲ CENTRE CUTTING PROCESS (1)



▲ CENTRE CUTTING PROCESS (2)



▲ CNC LATHING



▲ GROOVING MACHINE



▲ MARKING



▲ HEAT TREATMENT



▲ ASSEMBLING



▲ LASER



▲ CALIBRATION



▲ STAMPING

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ADJUSTABLE TORQUE WRENCH

INDUSTRIAL TORQUE WRENCH

FEATURES

- Industrial application.
- Wide range of choice.
- Tolerance of torque $\pm 3\%$.
- Easy torque-adjusting design.
- Quick release design.
- Applied to test torque clockwise and counterclockwise.
- Quality meets DIN ISO 6789 & ASME B107.14M-2004.
- CW/CCW Direction.





PUSH



INDUSTRIAL TORQUE WRENCH

SPECIFICATIONS

TORQUE WRENCH

TT NO.	Square drive	Teeth	Nm	Graduation	L(mm)	g	case/CTN
TW-262-1DW	1/4"	24T	2~10	0.1	281	590	24
TW-262-2DW			4~20	0.1	322	650	24
TW-262-4DW			10~50	0.25	322	650	24
TW-262-8DW			5~25	0.2	281	590	24
TW-362-1DW	3/8"	24T	4~20	0.1	322	650	24
TW-362-2DW			20~100	0.5	436	1320	12
TW-362-3DW		32T	10~60	0.5	337	760	24
TW-362-4DW			10~50	0.25	337	760	24
TW-362-8DW	24T	5~25	0.2	281	590	24	
TW-362-9DW		2~10	0.1	281	590	24	
TW-462-1DW	1/2"	32T	40~200	1.0	512	1580	12
TW-462-2DW			60~340	2.0	614	1800	12
TW-462-3DW			60~420	2.0	614	1800	12
TW-462-5DW			80~400	2.0	614	1800	12
TW-462-8DW	3/4"	24T	50~350	2.0	614	1800	12
TW-442-8DW			20~100	0.5	436	1310	12
TW-662-1DW			100~600	5.0	1050	5030	2
TW-662-2DW			150~800	5.0	1240	6110	2
TW-662-3DW	32T	200~1000	5.0	1240	6110	2	
TW-642-5DW		80~400	2.0	614	1800	12	
TW-862-1DW	1"	24T	150~800	5.0	1240	6230	2
TW-862-2DW			200~1000	5.0	1240	6110	2
TW-862-3DW			300~1500	10	1850	10510	2



Renewal kit:
02761DK 03161DK 03761DK
04761DK 06761DK 08761DK

SPECIFICATIONS

TORQUE WRENCH

TT NO.	Square drive	Teeth	ft-lb(in-lb)	Graduation	L(mm)	g	case/CTN	
TW-262-1EW	1/4"	24T	20~100	1.0	280	590	24	
TW-262-2EW			30~200	1.0	323	640	24	
TW-262-6EW			100~500	25	323	640	24	
TW-262-7EW			50~250	2.0	281	550	24	
TW-362-1EW	3/8"	24T	30~200	1.0	323	640	24	
TW-362-2EW		32T	10~80	0.5	436	1310	12	
TW-462-1EW	1/2"	32T	20~150	1.0	514	1590	12	
TW-462-2EW			30~250	1.0	614	1800	12	
TW-442-8EW			10~80	0.5	436	1310	12	
TW-662-1EW			50~450	5.0	1040	5030	2	
TW-662-2EW	3/4"	24T	100~600	5.0	1240	6110	2	
TW-662-3EW			150~750	5.0	1240	6110	2	
TW-642-4EW			32T	60~300	2.0	614	1800	12
TW-862-1EW			100~600	5.0	1240	6230	2	
TW-862-2EW	1"	24T	150~750	5.0	1240	6110	2	
TW-862-3EW			200~1000	10	1850	10510	2	

TT NO.	Square drive	Teeth	Nm/ft-lb(in-lb)	Graduation	L(mm)	g	case/CTN
TW-262-1FW	1/4"	24T	2~10/22.1~84.1	0.1	281	590	24
TW-262-2FW			4~20/39.8~172.6	0.1	322	650	24
TW-262-4FW			10~50/99.6~431.5	0.25	322	650	24
TW-262-8FW			5~25/53.1~212.4	0.2	281	590	24
TW-362-1FW	3/8"	24T	4~20/39.8~172.6	0.1	322	650	24
TW-362-2FW			20~100/16.6~71.9	0.5	436	1320	12
TW-362-3FW		32T	10~60/9.2~42.4	0.5	337	760	24
TW-362-4FW			10~50/99.6~431.5	0.25	337	760	24
TW-362-8FW	24T	5~25/53.1~212.4	0.2	281	590	24	
TW-362-9FW		2~10/22.1~84.1	0.1	281	590	24	
TW-462-1FW	1/2"	32T	40~200/33.2~143.8	1.0	512	1580	12
TW-462-2FW			60~340/51.6~243.4	2.0	614	1800	12
TW-462-3FW			60~420/51.6~302.4	2.0	614	1800	12
TW-462-5FW			80~400/66.4~287.8	2.0	614	1800	12
TW-462-8FW	3/4"	24T	50~350/44.3~250.8	2.0	614	1800	12
TW-442-8FW			20~100/16.6~71.9	0.5	436	1310	12
TW-662-1FW			100~600/92~424	5.0	1050	5030	2
TW-662-2FW			150~800/129~572	5.0	1240	6110	2
TW-662-3FW	32T	200~1000/166~719	5.0	1240	6110	2	
TW-642-5FW		80~400/66.4~287.8	2.0	614	1800	12	
TW-862-1FW	1"	24T	150~800/129~572	5.0	1240	6230	2
TW-862-2FW			200~1000/166~719	5.0	1240	6110	2
TW-862-3FW			300~1500/258~1070	10	1850	10510	2

MINI TORQUE WRENCH



SPECIFICATIONS

MINI TORQUE WRENCH

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

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

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

TT NO.	Square drive	Teeth	Nm	Graduation	L(mm)	g	case/CTN
TW-368-2DW	3/8"	32T	20~100	0.5	406	857	12

FEATURES

- Industrial application.
- Tolerance of torque $\pm 3\%$.
- Quick Release design.
- Quality meets DIN ISO 6789 & ASME B107.14-2004.
- CW/CCW Direction.



MINI INTERCHANGEABLE TORQUE WRENCH



SPECIFICATIONS

MINI INTERCHANGEABLE TORQUE WRENCH

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

TT NO.	mm	in-lb	Graduation	L(mm)	g	case/CTN
TW-716-1EW	9x12	30~150	1.0	197	257	24
TW-716-2EW		50~250	2.0	227	297	24
TW-716-4EW		10~50	0.5	197	257	24
TW-716-6EW	9x12	10~60	0.5	197	257	24

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

MINI TORQUE WRENCH SET

SPECIFICATIONS

MINI TORQUE WRENCH SET

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

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

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

INTERCHANGEABLE TORQUE WRENCH

FEATURES

- Using standard insert head.
- Positive button design which removes the insert head easily.
- Ergonomic comfort rubber handle.
- Fast, accurate and easy to setting the torque.



SPECIFICATIONS

INTERCHANGEABLE TORQUE WRENCH

TT NO.	mm	Nm	Graduation	L(mm)	g	case/CTN
TW-712-1DW	9x12	2~10	0.1	263	555	24
TW-712-2DW		4~20	0.1	306	630	24
TW-712-3DW		10~60	0.5	306	630	24
TW-712-4DW		10~50	0.25	306	630	24
TW-712-8DW		5~25	0.2	263	555	24
TW-713-2DW	14x18	20~100	0.5	430	1286	12
TW-723-2DW		20~100	0.5	430	1286	12
TW-724-1DW		40~200	1.0	484	1400	12
TW-724-2DW		60~340	2.0	585	1602	12
TW-724-3DW		60~420	2.0	585	1602	12
TW-724-5DW		80~400	2.0	585	1602	12
TW-724-8DW		50~350	2.0	585	1602	12
TW-726-1DW		100~600	5.0	988	5600	2
TW-726-2DW		150~800	5.0	1178	5600	2
TW-728-2DW		200~1000	5.0	1178	5700	2

TT NO.	mm	ft-lb(in-lb)	Graduation	L(mm)	g	case/CTN
TW-712-1EW	9x12	20~100	1.0	263	555	24
TW-712-2EW		30~200	1.0	306	630	24
TW-712-6EW		100~500	25	306	630	24
TW-712-7EW		50~250	2.0	263	555	24
TW-713-2EW		10~80	0.5	430	1286	12
TW-723-2EW	14x18	10~80	0.5	430	1286	12
TW-724-1EW		20~150	1.0	484	1400	12
TW-724-2EW		30~250	1.0	585	1602	12
TW-726-1EW		50~450	5.0	988	5600	2
TW-726-2EW		100~600	5.0	1178	5600	2
TW-728-2EW		150~750	5.0	1178	5700	2

TT NO.	mm	Nm	Graduation	L(mm)	g	case/CTN
TW-712-1FW	9x12	2~10/22.1~84.1	0.1	263	555	24
TW-712-2FW		4~20/39.8~172.6	0.1	306	630	24
TW-712-3FW		10~60/9.2~42.4	0.5	306	630	24
TW-712-4FW		10~50/99.6~431.5	0.25	306	630	24
TW-712-8FW		5~25/53.1~212.4	0.2	263	555	24
TW-713-2FW	14x18	20~100/16.6~71.9	0.5	430	1286	12
TW-723-2FW		20~100/16.6~71.9	0.5	430	1286	12
TW-724-1FW		40~200/33.2~143.8	1.0	484	1400	12
TW-724-2FW		60~340/51.6~243.4	2.0	585	1602	12
TW-724-3FW		60~420/51.6~302.4	2.0	585	1602	12
TW-724-5FW		80~400/66.4~287.8	2.0	585	1602	12
TW-724-8FW		50~350/44.3~250.8	2.0	585	1602	12
TW-726-1FW		100~600/92~424	5.0	988	5600	2
TW-726-2FW		150~800/129~572	5.0	1178	5600	2
TW-728-2FW		200~1000/166~719	5.0	1178	5700	2

REVERSIBLE TORQUE WRENCH



FEATURES

- Reversible Torque Wrench.
- Robust 72 teeth ratchets.
- 5° gear action.
- Colorful quick release button design.
- Fixed head version allows to use in narrow spaces.

SPECIFICATIONS

REVERSIBLE TORQUE WRENCH

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

TT NO.	Square drive	Teeth	ft-lb(in-lb)	Graduation	L(mm)	g	case/CTN		
TW-272-1EW	1/4"	72T	20~100	1.0	280	550	24		
TW-272-2EW			30~200	1.0	323	640	24		
TW-272-6EW			100~500	25	323	640	24		
TW-272-7EW			50~250	2.0	281	550	24		
TW-372-2EW			3/8"	72T	10~80	0.5	436	1350	12
TW-472-1EW	1/2"	72T			20~150	1.0	490	1490	12
TW-472-2EW					30~250	1.0	590	1706	12

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

*Available for Polish and Mat finished.

FLEXIBLE TORQUE WRENCH

FEATURES

- 15 degree flex head in both directions.
- Selected scale is automatically locked.
- Simple and accurate torque-adjusting design.
- Quick release design.
- Ergonomic, rugged, non-slip rubber grip.



SPECIFICATIONS

FLEXIBLE TORQUE WRENCH

TT NO.	Square drive	Teeth	Nm	Graduation	L(mm)	g	case/CTN
TW-292-1DW	1/4"	24T	2~10	0.1	309	600	24
TW-292-2DW			4~20	0.1	350	700	24
TW-292-4DW			10~50	0.25	350	700	24
TW-292-8DW	3/8"	24T	5~25	0.2	309	600	24
TW-392-1DW			4~20	0.1	350	700	24
TW-392-2DW			20~100	0.5	464	1370	12
TW-392-3DW	3/8"	32T	10~60	0.5	365	810	24
TW-392-4DW			10~50	0.25	365	810	24
TW-392-9DW			2~10	0.1	309	600	24
TW-392-8DW	1/2"	32T	5~25	0.2	309	600	24
TW-492-1DW			40~200	1.0	540	1630	12
TW-492-2DW			60~340	2.0	642	1850	12
TW-492-3DW	1/2"	32T	60~420	2.0	642	1850	12
TW-492-5DW			80~400	2.0	642	1850	12
TW-492-8DW			50~350	2.0	642	1850	12

TT NO.	Square drive	Teeth	ft-lb (in-lb)	Graduation	L(mm)	g	case/CTN
TW-292-1EW	1/4"	24T	20~100	1.0	308	600	24
TW-292-2EW			30~200	1.0	351	690	24
TW-292-6EW			100~500	25	351	690	24
TW-292-7EW	3/8"	24T	50~250	2.0	309	600	24
TW-392-1EW			30~200	1.0	351	690	24
TW-392-2EW			10~80	0.5	464	1360	12
TW-492-1EW	1/2"	32T	20~150	1.0	542	1640	12
TW-492-2EW			30~250	1.0	642	1850	12

TT NO.	Square drive	Teeth	Nm/ft-lb (in-lb)	Graduation	L(mm)	g	case/CTN
TW-292-1FW	1/4"	24T	2~10/22.1~84.1	0.1	309	600	24
TW-292-2FW			4~20/39.8~172.6	0.1	350	700	24
TW-292-4FW			10~50/99.6~431.5	0.25	350	700	24
TW-292-8FW	3/8"	24T	5~25/53.1~212.4	0.2	309	600	24
TW-392-1FW			4~20/39.8~172.6	0.1	350	700	24
TW-392-2FW			20~100/16.6~71.9	0.5	464	1370	12
TW-392-3FW	3/8"	32T	10~60/9.2~42.4	0.5	365	810	24
TW-392-4FW			10~50/99.6~431.5	0.25	365	810	24
TW-392-8FW			5~25/53.1~212.4	0.2	309	600	24
TW-392-9FW	1/2"	32T	2~10/22.1~84.1	0.1	309	600	24
TW-492-1FW			40~200/33.2~143.8	1.0	540	1630	12
TW-492-2FW			60~340/51.6~243.4	2.0	642	1850	12
TW-492-3FW	1/2"	32T	60~420/51.6~302.4	2.0	642	1850	12
TW-492-5FW			80~400/66.4~287.8	2.0	642	1850	12
TW-492-8FW			50~350/44.3~250.8	2.0	642	1850	12

PROFESSIONAL TORQUE WRENCH



FEATURES

- Professional application.
- Wide range of choice.
- Tolerance of torque $\pm 4\%$.
- Quality meets DIN ISO 6789 & ASME B107.14M-2004.

SPECIFICATIONS

PROFESSIONAL TORQUE WRENCH

TT NO.	Square drive	Teeth	Nm/kgf-m (kgf-cm)	Graduation	L(mm)	g	case/CTN
TW-223-1AW	1/4"	24T	5~25/51~255	0.2	280	595	24
TW-323-1AW	3/8"	24T	5~25/51~255	0.2	280	595	24
TW-323-2AW			20~110/2.04~11.22	1.0	370	830	24
TW-323-6AW			10~110/1.02~11.22	1.0	370	830	24
TW-423-1AW	1/2"	24T	42~210/4.3~21.4	1.4	450	1316	12
TW-423-2AW		45T	50~350/5.1~35.7	3.0	570	1658	12
TW-423-6AW		24T	28~210/2.9~21.4	1.4	450	1316	12
TW-623-1AW	3/4"	24T	140~700/14.0~71.4	7.0	1008	6150	2

TT NO.	Square drive	Teeth	ft-lb (in-lb)/kgf-m (kgf-cm)	Graduation	L(mm)	g	case/CTN
TW-223-1BW	1/4"	24T	25~250/29~288	1.5	280	595	24
TW-323-1BW	3/8"	24T	25~250/29~288	1.5	280	595	24
TW-323-2BW			5~80/0.7~11.1	0.5	370	830	24
TW-423-1BW			24T	10~150/1.4~20.7	1.0	450	1316
TW-423-2BW	1/2"	45T	30~250/4.2~34.6	2.0	570	1658	12
TW-623-1BW		3/4"	24T	100~600/13.8~83.0	5.0	1008	6150

TT NO.	Square drive	Teeth	ft-lb (in-lb)/Nm	Graduation	L(mm)	g	case/CTN
TW-223-1CW	1/4"	24T	25~250/2.8~28.2	1.5	280	595	24
TW-323-1CW	3/8"	24T	25~250/2.8~28.2	1.5	280	595	24
TW-323-2CW			5~80/6.8~108.5	0.5	370	830	24
TW-423-1CW			24T	10~150/13.6~203.4	1.0	450	1316
TW-423-2CW	1/2"	45T	30~250/40.7~339.0	2.0	570	1658	12

TT NO.	Square drive	Teeth	Nm/ft-lb (in-lb)	Graduation	L(mm)	g	case/CTN
TW-223-1FW	1/4"	24T	5~25/44.3~221.3	0.2	280	595	24
TW-323-1FW	3/8"	24T	5~25/44.3~221.3	0.2	280	595	24
TW-323-2FW			20~110/14.8~81.1	1.0	370	830	24
TW-423-1FW			24T	42~210/31~154.9	1.4	450	1316
TW-423-2FW	1/2"	45T	50~350/36.9~258.1	3.0	570	1658	12
TW-423-6FW		24T	28~210/20.7~154.9	1.4	450	1316	12

INTERCHANGEABLE TORQUE WRENCH SET



INTERCHANGEABLE TORQUE WRENCH SET

SPECIFICATIONS

122011(11PCS)

INTERCHANGEABLE TORQUE WRENCH SET

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

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

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

SPECIFICATIONS

141008(8PCS)

INTERCHANGEABLE TORQUE WRENCH SET

TT NO.	mm	Nm		g	case/CTN			
14100821DW	9x12	TW-712-1DW	2~10	1/4"	10, 13, 17	10, 13, 17	1264	18
14100822DW		TW-712-2DW	4~20	1/4"	10, 13, 17	10, 13, 17	1372	18
14100823DW		TW-712-3DW	10~60	3/8"	10, 13, 17	10, 13, 17	1372	18
14100824DW		TW-712-4DW	10~50	3/8"	10, 13, 17	10, 13, 17	1372	18
14100828DW		TW-712-8DW	5~25	1/4"	10, 13, 17	10, 13, 17	1264	18

TT NO.	mm	in-lb		g	case/CTN			
14100821EW	9x12	TW-712-1EW	20~100	1/4"	10, 13, 17	10, 13, 17	1264	18
14100822EW		TW-712-2EW	30~200	1/4"	10, 13, 17	10, 13, 17	1372	18
14100826EW		TW-712-6EW	100~500	3/8"	10, 13, 17	10, 13, 17	1372	18
14100827EW		TW-712-7EW	50~250	1/4"	10, 13, 17	10, 13, 17	1264	18

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

TORQUE MULTIPLIER

TORQUE MULTIPLIER

SPECIFICATIONS

TORQUE MULTIPLIER

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

TT NO.	Nm	ft-lb	Ratio	Input Square	Output Square	g	case/CTN
TW-418S	4500	3300	26:1	1/2"	1"	8900	2



TORQUE SCREWDRIVER

TORQUE SCREWDRIVER

FEATURES

- Tolerance of torque $\pm 5\%$
- 6.3mm (1/4") Hex drive for bit
- Automatic adjustment knob design.
- Easy-to-read laser scale.
- Ergonomic comfort rubber Grip.
- Quality meets DIN ISO 6789 & ASME B107.14M-2004



SPECIFICATIONS

TORQUE SCREWDRIVER

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

TT NO.	●	Nm	Graduation	L(mm)	g	case/CTN
TW-260-02	●	0.1~1.2	0.01	180	230	24
TW-260-06	●	1~6	0.1	200	445	24

TT NO.	●	in-lb	Graduation	L(mm)	g	case/CTN
TW-260-11	●	3~15	0.1	180	230	24
TW-260-15	●	10~50	1	200	445	24

TT NO.	●	Nm/in-lb	Graduation	L(mm)	g	case/CTN
TW-260-04	●	0.1~1.2/1.33~10.18	0.01	180	230	24
TW-260-08	●	1~6/13.3~48.7	0.1	200	445	24

TT NO.	●	in-lb/Nm	Graduation	L(mm)	g	case/CTN
TW-260-12	●	3~15/0.40~1.64	0.1	180	230	24
TW-260-16	●	10~50/1.70~5.09	1	200	445	24

TORQUE SCREWDRIVER

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

TT NO.	■	Nm	Graduation	L(mm)	g	case/CTN
TW-250-02	■	0.1~1.2	0.01	180	230	24
TW-250-06	■	1~6	0.1	200	445	24

TT NO.	■	in-lb	Graduation	L(mm)	g	case/CTN
TW-250-11	■	3~15	0.1	180	230	24
TW-250-15	■	10~50	1	200	445	24

TT NO.	■	Nm/in-lb	Graduation	L(mm)	g	case/CTN
TW-250-04	■	0.1~1.2/1.33~10.18	0.01	180	230	24
TW-250-08	■	1~6/13.3~48.7	0.1	200	445	24

TT NO.	■	in-lb/Nm	Graduation	L(mm)	g	case/CTN
TW-250-12	■	3~15/0.40~1.64	0.1	180	230	24
TW-250-16	■	10~50/1.70~5.09	1	200	445	24

INSULATED TORQUE SCREWDRIVER

FEATURES

- Tolerance of torque $\pm 5\%$.
- Ergonomic comfort rubber grip.
- Easy-to-read scale.
- 6.3mm (1/4") Hex Drive for bit.
- Use up to 1000V AC/ 1500V DC.
- Quality meets EN 60900:2004.



PRESET TORQUE SCREWDRIVER

FEATURES

- Tolerance of torque $\pm 5\%$.
- 6.3mm(1/4")Hex drive for bit.
- Ergonomic comfort rubber Grip.
- The preset torque screwdriver is apply to the production line and where needs a particular torque for repetitive operations required.
- Quality meets DIN ISO 6789 & ASME B107.14M-2004.



SPECIFICATIONS

INSULATED TORQUE SCREWDRIVER

TT NO.	●	Nm	Graduation	L(mm)	g	case/CTN
TW-260-31	●	0.5~4.5	0.1	212	424	24
TW-260-32	●	1~6	0.1	212	424	24

TT NO.	●	in-lb	Graduation	L(mm)	g	case/CTN
TW-260-42	●	10~50	1	212	424	24

TT NO.	●	Nm/in-lb	Graduation	L(mm)	g	case/CTN
TW-260-31	●	0.5~4.5 / 8.9~44.3	0.1	212	424	24
TW-260-32	●	1~6 / 13.3~48.7	0.1	212	424	24

TT NO.	●	in-lb/Nm	Graduation	L(mm)	g	case/CTN
TW-260-42	●	10~50 / 1.7~6.2	1	212	424	24

INSULATED TORQUE SCREWDRIVER

TT NO.	■	Nm	Graduation	L(mm)	g	case/CTN
TW-250-31	■	0.5~4.5	0.1	212	424	24
TW-250-32	■	1~6	0.1	212	424	24

TT NO.	■	in-lb	Graduation	L(mm)	g	case/CTN
TW-250-42	■	10~50	1	212	424	24

TT NO.	■	Nm/in-lb	Graduation	L(mm)	g	case/CTN
TW-250-31	■	0.5~4.5 / 8.9~44.3	0.1	212	424	24
TW-250-32	■	1~6 / 13.3~48.7	0.1	212	424	24

TT NO.	■	in-lb/Nm	Graduation	L(mm)	g	case/CTN
TW-250-42	■	10~50 / 1.7~6.2	1	212	424	24

SPECIFICATIONS

PRESET TORQUE SCREWDRIVER

TT NO.	●	Nm	L(mm)	g	case/CTN
TW-261-15	●	0.2~1.2	180	183	24
TW-261-16	●	1.0~1.8	180	183	24

TT NO.	●	Nm	L(mm)	g	case/CTN
TW-261-06	●	1~6	200	445	24

TT NO.	●	in-lb	L(mm)	g	case/CTN
TW-261-11	●	3~15	180	183	24
TW-261-15	●	10~50	200	445	24
TW-261-21	●	1.8~14.1	200	445	24

PRESET TORQUE SCREWDRIVER

TT NO.	■	Nm	L(mm)	g	case/CTN
TW-251-15	■	0.2~1.2	180	183	24
TW-251-16	■	1.0~1.8	180	183	24

TT NO.	■	Nm	L(mm)	g	case/CTN
TW-251-06	■	1~6	200	445	24

TT NO.	■	in-lb	L(mm)	g	case/CTN
TW-251-11	■	3~15	180	183	24
TW-251-15	■	10~50	200	445	24
TW-251-21	■	1.8~14.1	200	445	24

PRESET TORQUE WRENCH

PRESET TORQUE LIMITER

FEATURES

- Tolerance of torque $\pm 6\%$.
- Rotary clutch mechanism when desired torque reached.
- For fastening torque in CW/CCW direction.
- Light-Weight easy to use.
- The Customization for the torque setting.
- Quality meets DIN 6789 & DIN 3120.
- For low torque applications i.e. motorcycles or bicycle production lines.

SPECIFICATIONS

PRESET TORQUE LIMITER

TT NO.	Input Square	Output Square	Torque Range Nm	L(mm)	g	box/CTN
TW-111-01	3/8"	1/4"	0.5~5	75	91	240
TW-111-02	3/8"	1/4"	5~10	75	91	240

TT NO.	Input Square	Output Square	Torque Range in-lb	L(mm)	g	box/CTN
TW-111-21	3/8"	1/4"	4.5~40	75	91	240
TW-111-22	3/8"	1/4"	45~85	75	91	240



PRESET TORQUE LIMITER

SPECIFICATIONS

PRESET TORQUE LIMITER

TT NO.	Input Square	Output Square	Nm	L(mm)	g	box/CTN
TW-113-01	3/8"	3/8"	0.5~5	75	93	240
TW-113-02	3/8"	3/8"	5~10	75	93	240

TT NO.	Input Square	Output Square	in-lb	L(mm)	g	box/CTN
TW-113-21	3/8"	3/8"	4.5~40	75	93	240
TW-113-22	3/8"	3/8"	45~85	75	93	240



OPEN-END SERIES

FEATURES

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

SPECIFICATIONS

OPEN-END SERIES

TT NO.	Size	Torque Range (In-lb)	L(mm)	g	box/CTN
TW-115	10~14	30~150	180	320	60



SPECIFICATIONS

OPEN-END SERIES

TT NO.	Size	Torque Range(Nm)	L(mm)	g	box/CTN
TW-115-07	7	3~18	179	310	60
TW-115-08	8	3~18	179	310	60
TW-115-09	9	3~18	179	310	60
TW-115-10	10	3~18	179	310	60
TW-115-12	12	3~18	189	322	60
TW-115-13	13	3~18	189	322	60
TW-115-14	14	3~18	189	322	60
TW-115-16	16	3~18	244	440	40
TW-115-17	17	3~18	244	440	40
TW-115-18	18	3~18	244	440	40
TW-115-19	19	12~100	247	450	40
TW-115-21	21	12~100	247	450	40
TW-115-22	22	12~100	260	510	40
TW-115-23	23	12~100	260	510	40
TW-115-24	24	12~100	260	510	40
TW-115-26	26	12~100	269	530	40
TW-115-27	27	15~120	313	605	25
TW-115-29	29	15~120	313	605	25
TW-115-30	30	15~120	313	605	25
TW-115-32	32	15~120	313	605	25
TW-115-34	34	15~120	324	643	25
TW-115-35	35	15~120	324	643	25
TW-115-36	36	15~120	323	630	25

L-PRESET TORQUE WRENCH

FEATURES

- 1/2" Drive.
- 105° angle in direction.
- Audible "Click" when torque reached.
- Quality meets DIN ISO 6789 & ASME B107.14M-2004.

SPECIFICATIONS

L-PRESET TORQUE WRENCH

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



SPECIFICATIONS

L-PRESET TORQUE WRENCH SET

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



PRESET TORQUE WRENCH

SPECIFICATIONS

PRESET TORQUE WRENCH

TT NO.	Square drive	Teeth	Torque Range(Nm)	L(mm)	g	case/CTN
TW-261-01W	1/4"	24T	2~20	224	445	24
TW-261-02W			10~60	283	520	24
TW-361-01W	3/8"	32T	20~100	355	946	12
TW-361-02W			10~60	283	520	24
TW-461-01W	1/2"	32T	40~200	443	1460	12
TW-461-02W			60~340	534	1453	12
TW-861-03W	1"	24T	300~1500	1850	9500	2



INTERCHANGEABLE PRESET TORQUE WRENCH

SPECIFICATIONS

INTERCHANGEABLE PRESET TORQUE WRENCH

TT NO.	mm	Torque Range(Nm)	L(mm)	g	case/CTN
TW-732-01W	9x12	2~20	207	291	24
TW-732-02W		10~60	251	396	24
TW-733-01W		20~100	320	880	12
TW-743-01W	14x18	20~100	346	904	12
TW-744-01W		40~200	404	1223	12
TW-744-02W		60~340	505	1410	12
TW-748-03W		300~1500	1792	8200	2

TORQUE VALVE SCREWDRIVER

TORQUE VALVE SCREWDRIVER

FEATURES

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

SPECIFICATIONS

TORQUE VALVE SCREWDRIVER

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

TORQUE VALVE SCREWDRIVER

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



TORQUE PROTRACTOR

TORQUE PROTRACTOR

FEATURES

- 360° angle scale - clearly marked in 2° increments, and in intervals of 10° and 30°.
- Indicator etched on clear plastic plate - protects angle scale from dirt and grease.
- Adjustable arm keeps angle scale stationary.
- Arm has two lengths for additional flexibility in placement against components.
- Tough composite dial and rotating index allow operator to accurately tighten fixing to manufacturers exact standard.



SPECIFICATIONS

TORQUE PROTRACTOR

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



SPECIFICATIONS

TORQUE PROTRACTOR

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



SPECIFICATIONS

TORQUE PROTRACTOR

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

EXTENSIBLE HANDLE

EXTENSIBLE HANDLE

FEATURES

- Positive button design which removes the insert head easily.
- Long lever arm reduces the expenditure of strength.
- The facile Lock design for elongation.
- The handle adjustable from 202 mm to 316 mm.



SPECIFICATIONS

EXTENSIBLE HANDLE

TT NO.	mm	L(mm)	g	box/CTN
7491-12	9x12	202	352	70

DOUBLE SIZE RATCHET WRENCH

DOUBLE SIZE RATCHET WRENCH

CR-V HANDLE (CHROME VANADIUM HANDLE)
CR-MO SOCKET (CHROME MOLYBDENUM SOCKET)



FEATURES

- Function as ratchet and socket.
- Two sizes on both sides.
- Reversible switch for tightening and loosening the screw.
- 32 teeth.

SPECIFICATIONS

DOUBLE SIZE RATCHET WRENCH

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

TT NO.	SIZE	L(mm)	g	box/CTN
RD2127	21x27	365	840	30
RD2224	22x24	365	820	30
RD2227	22x27	365	820	30
RD2326	23x26	365	820	30
RD2427	24x27	365	840	30
RD2430	24x30	402	1120	20
RD2629	26x29	402	1120	20
RD2632	26x32	402	1120	20
RD2730	27x30	402	1120	20
RD2732	27x32	402	1120	20
RD3032	30x32	402	1120	20
RD3236	32x36	450	1120	20
RD3541	35x41	450	1010	20
RD3638	36x38	450	1460	20
RD3641	36x41	450	1500	20
RD3841	38x41	450	1480	20
RD4650	46x50	505	2094	20
RD5055	50x55	505	2320	20

PROFESSIONAL TORQUE TESTER

PROFESSIONAL TORQUE TESTER

MAINTENANCE

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

FEATURES

- Under a constant speed to test the torque wrench in accordance with DIN ISO 6789/ASME B107-.14-2004 requirements.
- Metrological accuracy ensuring reliability of test results.
- Easy to operate of torque.
- Keeping the torque wrench/torque tester horizontally to remain within the tolerances specified by the standard.



SPECIFICATIONS

PROFESSIONAL TORQUE TESTER

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

ACCESSORIES

DISMOUNTING TOOLS SET



Dismounting Tools Set (10 pcs)

- T1. 130mm Telescopic Magnetic Pick-up tools x 1pc
- T2. 3/8"dr. 6 points, size: 13mm socket x 1pc
- T3. 3/8"dr. 6 points, size: 17mm socket x 1pc
- T4. 3/8"dr. T-Shaped wrench, Mat Finished, L:90/ I:90mm x 1pc
- T5. 6" Circlip Plier *1pc
- T6. 3mm Hexagon Head bit, sand-blasted (S2), L:25mm x 1pc
- T7. 6mm non magnetic nut setter, sand-blasted (CRV) x 1pc
- T8. 1/4" Nut Screwdriver x 1pc
- T9. 1/4" hexagon head, ø27 Dismounting tool of end cap, (S45) x 1 pc
- T10. 1/4" hexagon head, ø32 Dismounting tool of end cap (S45) x 1 pc

Operation

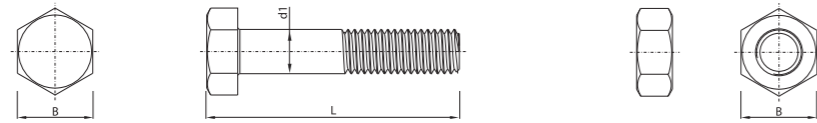
(Please against the explosion chart.)

- T1. For the Locking Washer
- T2+T4. & T3+T4 For the hex Nut
- T5. For the Snap Ring
- T8+T6. & T8+T7. For the Adjustment Shaft
- T8+T9 & T8+T10 For the End Cap



TECHNICAL DATA

STRENGTH CONTRAST OF SCREW AND NUT



(Unit : N-m)

Size of nut (B)	Size of screw (d1)	Class level				
		4.6	6.8	8.8	10.9	12.9
4.5 mm	M2	0.12	0.238	0.319	0.447	0.536
5 mm	M2.5	0.245	0.487	0.65	0.915	1.1
5.5 mm	M3	0.434	0.87	1.16	1.63	1.96
6 mm	M3.5	0.683	1.37	1.82	2.56	3.08
7 mm	M4	1.01	2.02	2.7	3.79	4.54
8 mm	M5	2.04	4.09	5.47	7.67	9.18
10 mm	M6	3.47	6.97	9.27	13	15.6
11 mm	M7	5.85	11.6	15.5	21.8	26.2
13 mm	M8	8.41	16.9	22.5	31.6	37.9
17 mm	M10	16.7	33.4	44.5	62.6	75.2
19 mm	M12	29.1	58.3	77.6	109	131
22 mm	M14	46.4	92.7	124	174	209
24 mm	M16	72.3	145	194	271	325
27 mm	M18	100	199	266	373	447
30 mm	M20	141	282	376	529	635
32 mm	M22	192	384	511	720	865
36 mm	M24	244	488	650	915	1100
41 mm	M27	358	713	951	1340	1610
46 mm	M30	484	971	1290	1820	2180
50 mm	M33	661	1320	1760	2470	2970
55 mm	M36	848	1690	2260	3180	310
60 mm	M39	1100	2190	2920	4110	4930
65 mm	M42	1350	2710	3610	5080	6080
70 mm	M45	1700	3400	4540	6370	7630
75 mm	M48	2030	4060	5440	7620	9120
80 mm	M52	2640	5290	7040	9880	11800
85 mm	M56	3270	6560	8710	12300	14800
90 mm	M60	4080	8180	10900	15300	18300
95 mm	M64	4930	9890	13100	18500	22300
100 mm	M68	5970	12000	16000	22500	2700
105 mm	M72	7150	14400	19100	26900	32300
110 mm	M76	8540	17000	22700	31900	38300
115 mm	M80	10000	20000	26600	37500	45000

NOTE : (1) Class 4.6 and 6.8 are for DIY use. (2) Class 8.8 is for general use. (3) Class 10.9 is for pneumatic and profession use. (4) Class 12.9 is for industrial use.

TORQUE CONVERSION TABLES

METRIC UNIT	TORQUE UNIT	INCH UNIT
kgf · cm	N · m	lbf · in
kgf · m	N · cm	lbf · ft
gf · cm	KN · m	ozf · in
1kgf · m=100kgf · cm		1lbf · ft=12lbf · in
1kgf · cm=1,000gf · cm	1N · m=100 N · cm	1lbf · ln=16ozf · in
1kgf · cm=10kgf · mm	1KN · m=1,000 N · m	
		1lbf · ln=1.152kgf · cm
1kgf · cm=0.09807N · m	1N · m=10.20kgf · cm	1lbf · ln=0.1130N · m
1kgf · cm=0.8680lbf · in	1N · m=8.850lbf · in	1lbf · ft=13.83kbf · cm
1kgf · m=0.07233lbf · ft	1N · m=0.7376lbf · ft	1lbf · ft=1.356N · m
		1lbf=0.4536kgf
1kgf=9.807N	1N=0.1020kgf	1lbf=4.448N
1kgf=2.205lbf	1N=0.2248lbf	(1lbf=16ozf)
		1in=2.540cm
1cm=0.3937in	1m=3.281ft	1ft=0.3048m
		(1ft=12in)

Conversion Formulas :

1 in-lb = 0.1130 N-m = 1.152 kg-cm 1 ft-lb = 0.1383 kg-m = 1.3556N-m
 1 kg-m = 7.233 ft-lb = 9.8066 N-m 1 N-m = 0.102 kg-m = 0.73756 ft-lb