

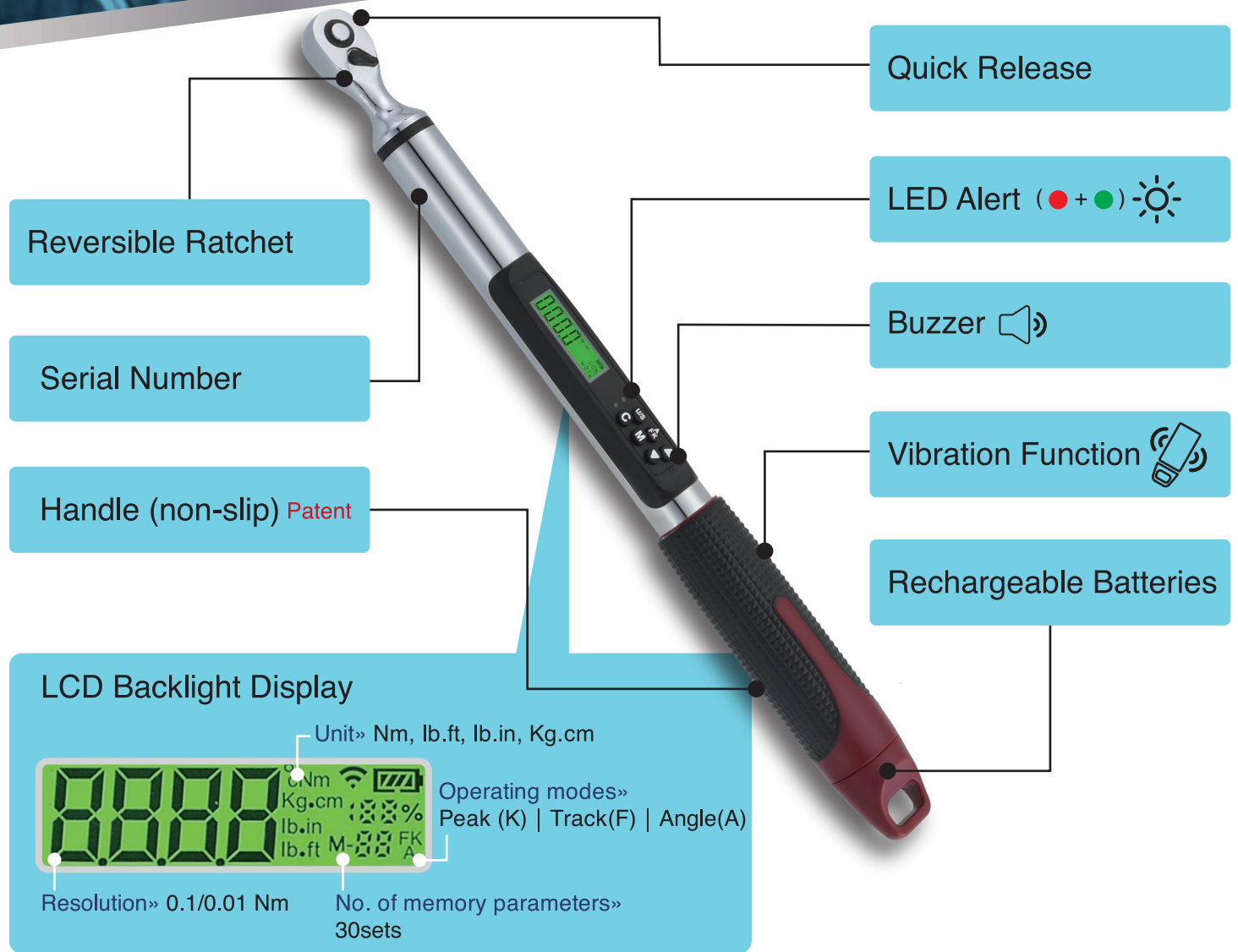


Precision • Innovation • Perfection



Digital Angle Torque Wrench
Digital Flexible & Angle Torque Wrench

Product Features



Other Specification

■ Operating temperature» -10°C~ 60°C
 ■ Storage temperature» -20°C~ 70°C
 ■ Humidity» Up to 90% non-condensing
 ■ Battery Life(standard mode)» 1 year
 ■ Battery Life(continuous operation)» 110 hrs.
 ■ Drop test» 1m
 ■ Shaking test» 10G
 ■ Service life test» 10000 cycles
 ■ Environmental test» PASS
 ■ EMC test» PASS

Torque Conversion Table

UNIT	mN.m	cN.m	N.m	ozf.in	lbf.in	lbf.ft	gf.cm	kgf.cm	kgf.m
1 mN.m	1	0.1	0.001	0.142	0.009	0.0007	10.2	0.01	0.0001
1 cN.m	10	1	0.01	1.416	0.088	0.007	102	0.102	0.001
1 N.m	1000	100	1	141.6	8.851	0.738	10197	10.2	0.102
1 ozf.in	7.062	0.706	0.007	1	0.0625	0.005	72	0.072	0.0007
1 lbf.in	113	11.3	0.113	16	1	0.083	1152.1	1.152	0.0115
1 lbf.ft	1365	135.6	1.356	192	12	1	13826	13.83	0.138
1 gf.cm	0.098	0.01	0.0001	0.014	0.0009	0.00007	1	0.001	0.00001
1 kgf.cm	98.07	9.807	0.098	13.89	0.868	0.072	1000	1	0.01
1 kgf.m	9807	980.7	9.807	1389	86.8	7.233	100000	100	1



SH-DGTA SERIES

Digital Angle Torque Wrench

Accuracy» CW:±1.5% | CCW:±2.5%

Min. Scale Unit» SH-DGTA30-1(0.01Nm),other(0.1Nm)

Min. Angle:1° | Max. Angle:360° | Setting Range:1°~360°

SPECIFICATION

Model No.	T	Driver	Max. Operating Range	Setting Range	Max. Torque Load / DIN Standards (Nm)
SH-DGTA30-1	72	1/4"	30 Nm	1.5~30 Nm 1.11~22.12 lb.ft 13.3~265.5 lb.in 15.3~306.1 kg.cm	88.0/62.0
SH-DGTA60-2	72	3/8"	60 Nm	3.0~60 Nm 2.22~44.24 lb.ft 26.6~531 lb.in 30.6~612.2 kg.cm	294.0/202.0
SH-DGTA135-2	72	3/8"	135 Nm	6.8~135 Nm 5.0~99.5 lb.ft 60~1195 lb.in 69~1378 kg.cm	294.0/202.0
SH-DGTA135-3	72	1/2"	135 Nm	6.8~135 Nm 5.0~99.5 lb.ft 60~1195 lb.in 69~1378 kg.cm	735.0/512.0
SH-DGTA200-3	72	1/2"	200 Nm	10~200 Nm 7.4~147.5 lb.ft 88~1770 lb.in 102~2041 kg.cm	735.0/512.0
SH-DGTA340-3	72	1/2"	340 Nm	17~340 Nm 12.5~250.7 lb.ft 150~3009 lb.in 173~3469 kg.cm	735.0/512.0
SH-DGTA600-4	24	3/4"	600 Nm	60~600 Nm 44.28~442.8 lb.ft 53.11~5311 lb.in 612~6120 kg.cm	1836/1412
SH-DGTA800-4	24	3/4"	800 Nm	80~800 Nm 59.04~590.4 lb.ft 708.1~7081 lb.in 816~8160 kg.cm	1836/1412
SH-DGTA800-5	24	1"	800 Nm	80~800 Nm 59.04~590.4 lb.ft 708.1~7081 lb.in 816~8160 kg.cm	3270/2515
SH-DGTA1000-4	24	3/4"	1000 Nm	100~1000 Nm 73.8~738 lb.ft 885.1 8851 lb.in 10.2~102 kg.m	1836/1412
SH-DGTA1000-5	24	1"	1000 Nm	100~1000 Nm 73.8~738 lb.ft 885.1 8851 lb.in 10.2~102 kg.m	3270/2515



SH-DGFA SERIES 

Digital Flexible & Angle Torque Wrench

Accuracy» CW:±2% | CCW:±3%

Min. Scale Unit» SH-DGFA30-1(0.01Nm),other(0.1Nm)

Min. Angle:1° | Max. Angle:360° | Setting Range:1°~360°

SPECIFICATION

Model No.	T	Driver	Max. Operating Range	Setting Range	Max. Torque Load / DIN Standards (Nm)
SH-DGFA30-1	72	1/4"	30 Nm	3~30 Nm 2.22~22.12 lb.ft 26.6~265.5 lb.in 30.6~306.1 kg.cm	88.0/62.0
SH-DGFA135-2	72	3/8"	135 Nm	13.5~135 Nm 10~99.5 lb.ft 120~1195 lb.in 138~1378 kg.cm	294.0/202.0
SH-DGFA200-3	72	1/2"	200 Nm	20~200 Nm 14.8~147.5 lb.ft 176~1770 lb.in 204~2041 kg.cm	735.0/512.0
SH-DGFA340-3	72	1/2"	340 Nm	34~340 Nm 25~250.7 lb.ft 300~3009 lb.in 346~3469 kg.cm	735.0/512.0

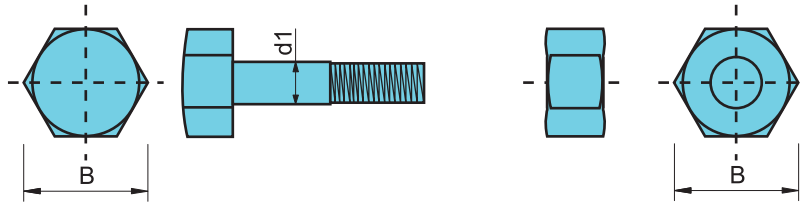
Packing Specification



Model No.	Wrench Length (Size)	Wrench Weight (kg)	Box Size L x W x H (mm)	Quantity (pcs)	N.W (kg)	G.W (kg)	CARTON L x W x H (cm)	CUFT
SH-DGTA30-1	410 mm	0.72	476x118x65	8	13.80	14.90	48.8x24.2x25.5	1.06
SH-DGTA60-2	410 mm	0.74	476x118x65	8	14.60	15.80	48.8x24.2x25.5	1.06
SH-DGTA135-2	434 mm	0.89	595x116x65	6	14.16	15.16	60.6x24.2x19.7	1.02
SH-DGTA135-3	454mm	1.08	595x116x65	6	15.24	16.24	60.6x24.2x19.7	1.02
SH-DGTA200-3	565 mm	1.30	712x116x65	4	12.16	13.16	72.7x24.2x13.6	0.84
SH-DGTA340-3	666 mm	1.42	712x116x65	4	12.56	13.56	72.7x24.2x13.6	0.84
SH-DGTA600-4	940 mm	3.80	1265x145x100	1	9.60	10.10	126.5x14.5x10	0.65
SH-DGTA800-4	1235 mm	4.80	1265x145x100	1	10.70	11.00	126.5x14.5x10	0.65
SH-DGTA800-5	1240 mm	5.10	1265x145x100	1	11.90	13.10	126.5x14.5x10	0.65
SH-DGTA1000-4	1235 mm	4.80	1265x145x100	1	10.70	11.00	126.5x14.5x10	0.65
SH-DGTA1000-5	1240 mm	5.10	1265x145x100	1	11.90	13.10	126.5x14.5x10	0.65
SH-DGFA 30-1	409 mm	0.72	476x118x65	8	13.80	14.90	48.8x24.2x25.5	1.06
SH-DGFA135-2	434 mm	0.89	595x116x65	6	14.16	15.16	60.6x24.2x19.7	1.02
SH-DGFA200-3	565 mm	1.30	712x116x65	4	12.16	13.16	72.7x24.2x13.6	0.84
SH-DGFA340-3	666 mm	1.42	712x116x65	4	12.56	13.60	72.7x24.2x13.6	0.84

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
4.5mm	M2	0.12	0.238	0.319	0.447	0.536
5mm	M2.5	0.245	0.487	0.65	0.915	1.1
5.5mm	M3	0.434	0.87	1.16	1.63	1.96
6mm	M3.5	0.683	1.37	1.82	2.56	3.08
7mm	M4	1.01	2.02	2.7	3.79	4.54
8mm	M5	2.04	4.09	5.47	7.67	9.18
10mm	M6	3.47	6.97	9.27	13	15.6
11mm	M7	5.85	11.6	15.5	21.8	26.2
13mm	M8	8.41	16.9	22.5	31.6	37.9
17mm	M10	16.7	33.4	44.5	62.6	75.2
19mm	M12	29.1	58.3	77.6	109	131
22mm	M14	46.4	92.7	124	174	209
24mm	M16	72.3	145	194	271	325
27mm	M18	100	199	266	373	447
30mm	M20	141	282	376	529	635
32mm	M22	192	384	511	720	865
36mm	M24	244	488	650	915	1100
41mm	M27	358	713	951	1340	1610
46mm	M30	484	971	1290	1820	2180
50mm	M33	661	1320	1760	2470	2970
55mm	M36	848	1690	2260	3180	4020
60mm	M39	1100	2190	2920	4110	4930
65mm	M42	1350	2710	3610	5080	6080
70mm	M45	1700	3400	4540	6370	7630
75mm	M48	2030	4060	5440	7620	9120
80mm	M52	2640	5290	7040	9880	11800
85mm	M56	3270	6560	8710	12300	14800
90mm	M60	4080	8180	10900	15300	18300
95mm	M64	4930	9890	13100	18500	22300
100mm	M68	5970	12000	16000	22500	27000
105mm	M72	7150	14400	19100	26900	32300
110mm	M76	8540	17000	22700	31900	38300
115mm	M80	10000	20000	26600	37500	45000

Note : (1) Class 4.6 and 6.8 ar for DIY use. (3) Class 10.9 is for pneumatic and professional use.
 (2) Class 8.8 is for general use. (4) Class 12.9 is for industrial use.

