

GENERAL CATALOG 2023



# TORQUE WRENCH

## AND ANALYZER

<http://www.bestool-kanon.co.jp>



NAKAMURA MFG.CO.,LTD.  
TSURU FACTORY



ISO 9001  
JQA-2434



ISO 14001  
JQA-EM1367

**BESTOOL-KANON**

# Exploring the frontiers of higher accuracy and reliability.

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Every single fastener fulfills an important function maintaining the life of every product. In the transportation or chemical industries, if a fastener loosens from improper tightening, it might cause a serious disaster costing human life. We focus our techniques and wisdom, accumulated over many years, on preventing such occurrences.

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Tightening only by hand will cause unexpected disaster. For example,

## **Traffic accidents**

Improper wheel nut tightening resulting in wheels coming off.

## **Construction accidents**

Improper tightening of structural joints resulting in collapsing scaffolding or buildings.

## **Explosions**

Improperly tightened underground gas line joints resulting in leakage and explosion.

## **Chemical accidents**

In chemical plants, improperly tightened joints can release toxic substances.

Torque tools play an important role in preventing such incidents.

Torque tools tighten joints uniformly with adequate force.

In particular they serve:

1. To prevent under-or-over-tightening.
2. To tighten multiple bolts uniformly.
3. To adequately generate the clamping force required for bolted joints.

# BESTOOL-KANON

**NOTE:** Can be calibrated to : Inch pounds, Foot pounds, Newton meters.

PAGE 3

# QLK

ADJUSTABLE, RATCHET TORQUE WRENCHES



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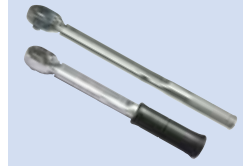
# GLK/BLK

ADJUSTABLE, RATCHET TORQUE WRENCHES WITH RUBBER GRIP



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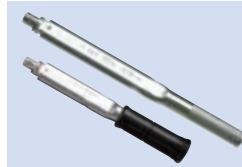
# QSPK QSPKH,QSPK-A



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# SPCK/SPCKH,SPCKA

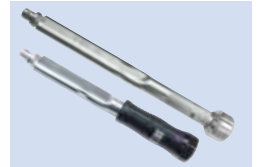
PRE-SET, REPLACEABLE HEAD TORQUE WRENCHES



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# LCK/GCK

ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES



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# BCK

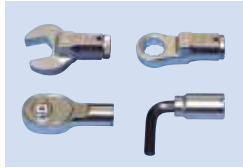
ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES WITH RUBBER GRIP



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# HEADS

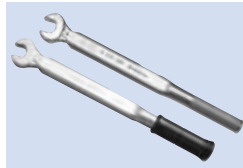
OPTIONAL REPLACEABLE HEADS



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# SPK

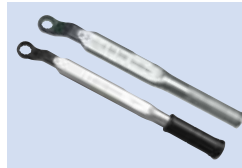
PRE-SET TORQUE WRENCHES



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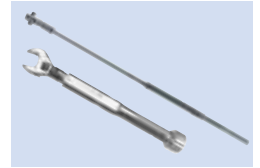
# RSPK

PRE-SET, RING TORQUE WRENCHES



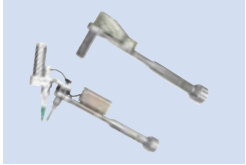
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# QLK-LR/ HYK



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# MQLK MQLK-E



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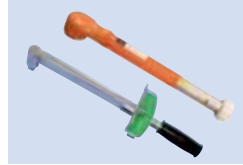
# TCSK-99MA SWPM Series



PAGE 16

# ZLK/FK

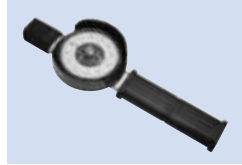
INDICATOR PLATE TORQUE WRENCHES



PAGE 17

# TOK-G

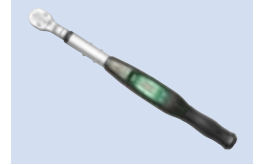
DIAL INDICATOR TORQUE WRENCHES



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# DLT-N

KANON DIGITAL TORQUE WRENCH



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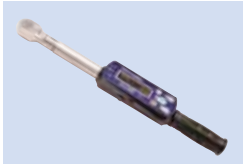
# DTC-REV

DATA OUTPUT DIGITAL TORQUE WRENCHES



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# DTC-REV-A DTC-REV-UW



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# DTC-REV

DIGITAL TORQUE WRENCH WITH CONNECTED DISPLAY



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# DTDK-REV

DIGITAL TORQUE DRIVER WITH CONNECTED DISPLAY



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# LTDK

CLUTCH RELEASE TORQUE SCREW DRIVERS



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# STDK

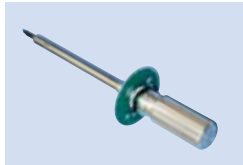
PRE-SET TORQUE DRIVERS



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# DPSK

DIAL GAUGE TORQUE DRIVERS



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# SGK

TORQUE GAUGES



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# KDTA-GT-UC

DIGITAL TORQUE ANALYZERS



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# KDTA-GTH-UC

LARGE DIGITAL TORQUE ANALYZERS



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# KDTA-GTS-UC

DIGITAL TORQUE ANALYZERS



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# DRT

KANON TORQUE MEASUREMENT MULTI-INDICATOR



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# KDTA-DH

DIGITAL TORQUE ANALYZERS FOR TORQUE DRIVERS



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# KDTA-D

DIGITAL TORQUE ANALYZERS FOR ELECTRIC DRIVERS



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# TK

TENSION GAUGES



# LTDK CLUTCH RELEASE TORQUE SCREW DRIVERS

Clutch release prevents over-tightening, reduces fatigue.

## FEATURES

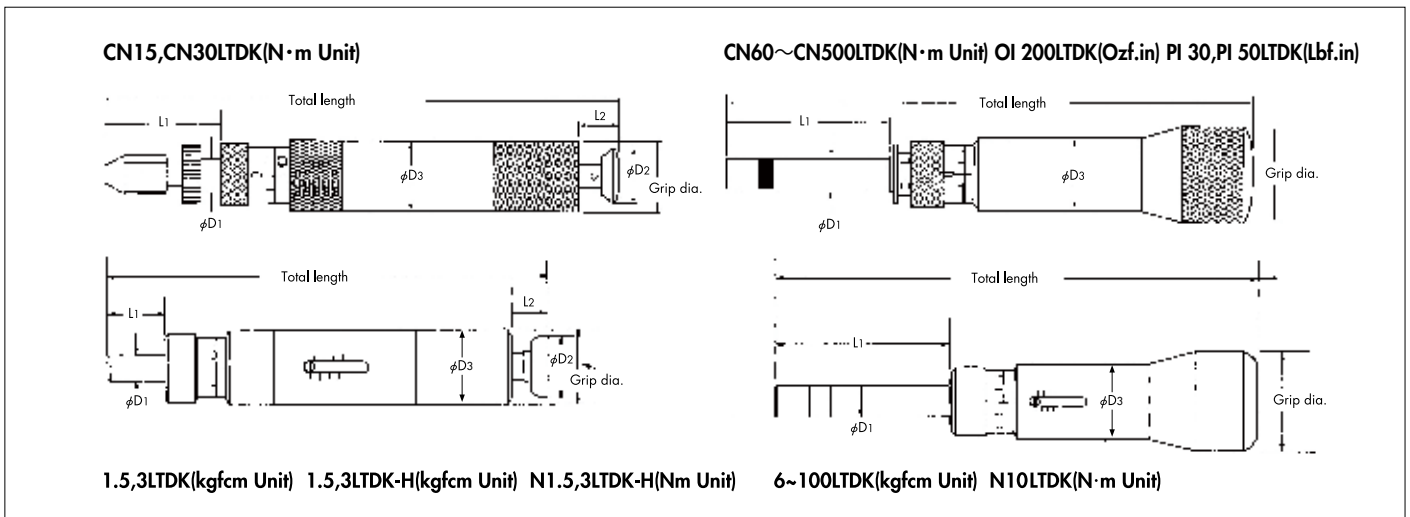
- Comfortable grip for extended use.
- Light weight and short overall length facilitates jobs.  
Sensitive clutch release helps the operator feel when the torque setting is reached.
- Set the required torque value and tighten, all operators tighten consistently.
- Two Phillips bit are included.
- Various hex and box drive bits are available.
- Use for clockwise tightening.
- Accuracy :  $\pm 3\%$  of indicated value over the full range, clockwise.
- "H"-models accept standard bits instead of CB type bits.

## USING AN LTDK DRIVER

- (1) Select and mount a bit to match the fastener.
- (2) Rotate the adjusting ring and set the desired torque.
- (3) Tighten the fastener clockwise until the clutch releases and there is no more resistance.



CN60~CN500LTDK



Old Model (cN·m/N·m)	New Model (cN·m/N·m)	Range	Increment	Model (ozf·in/lbf·in)	Range	Increment	Grip dia. φmm	Total length (without bit) mm	Dimensions (mm)					Weight g	Included Accessory			
									cN·m/N·m		ozf·in/lbf·in		Body			Bits		Extension Bar
								L1	L2	φD1	φD2	φD3	Phillips	Bit type				
N1.5LTDK	CN15LTDK	1 ~ 15 cN·m	0.1 cN·m				16	107	22	10.5	5.5	14.4	15.5	57	No.0 No.1	KANON bits CB type		
N3LTDK	CN30LTDK	2 ~ 30 "	0.2 "				25	110	26				20	99				
N6LTDK	CN60LTDK	5 ~ 60 "	0.5 "				30						192		No.0 No.1	Standard bits SB type	Included	
N12LTDK	CN120LTDK	20 ~ 120 "	1 "	OI 200LTDK	40 ~ 200 ozf·in	1	34	157	51				25	214				
N20LTDK	CN200LTDK	40 ~ 200 "	1 "	PI 30LTDK	4 ~ 30 lbf·in	0.1	40	200	63				34	436	No.1 No.2			
N30LTDK	CN300LTDK	40 ~ 300 "	1 "	PI 50LTDK	10 ~ 50 "	0.25	45	235	100				35	762	No.2,No.3			
N50LTDK	CN500LTDK	100 ~ 500 "	2.5 "				45	235	100		11		35	762	No.2,No.3			
N100LTDK	N10LTDK	4 ~ 10 N·m	0.05 N·m				16	111	26	10.5	10	14.4	15.5	60	No.0 No.1			
N1.5LTDK-H	CN15LTDK-H	1 ~ 15 cN·m	0.1 cN·m				16	111	26	10.5	10	14.4	15.5	60	No.0 No.1			
N3LTDK-H	CN30LTDK-H	2 ~ 30 "	0.2 "															

\*   is the new model that is applied from 1st January, 2016.

Model (kgf·cm)	Range	Increment	Grip dia.	Total length (without bit)	Dimensions (mm)					Weight	Included Accessory		
					Body						Bits		Extension Bar
					L1	L2	φD1	φD2	φD3		g	Phillips	
1.5LTDK	0.1~1.5 kgf·cm	0.01 kgf·cm	16	99	14	10.5	5.5	14.4	15.5	50	No.0 No.1	KANON bits OB type	Included
3LTDK	0.2~3 //	0.02 //											
6LTDK	0.5~6 //	0.05 //	25	110	35	10	11	14.4	15.5	95	No.0 No.1	Standard bits SB type	
12LTDK	2~12 //	0.1 //											
20LTDK	4~20 //	0.1 //	34	157	57	10	11	14.4	15.5	190	No.0 No.1	Standard bits SB type	
30LTDK	4~30 //	0.1 //											
50LTDK	10~50 //	0.25 //	40	200	73	10	11	14.4	15.5	208	No.1 No.2	Standard bits SB type	
100LTDK	40~100 //	0.5 //											
1.5LTDK-H	0.1~1.5 //	0.01 //	16	111	26	10.5	10	14.4	15.5	60	No.0 No.1	Standard bits SB type	
3LTDK-H	0.2~3 //	0.02 //											

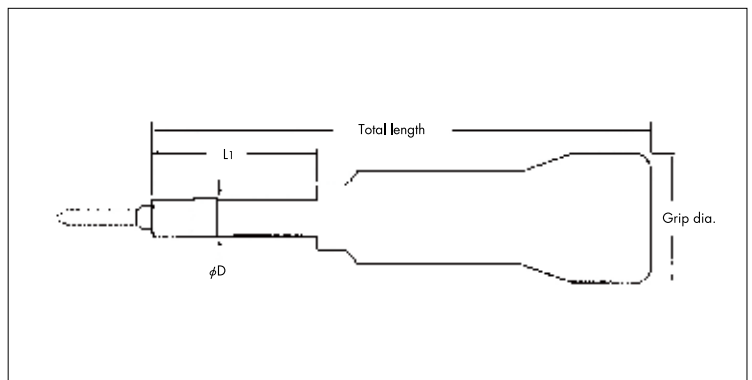
# STDK PRE-SET TORQUE DRIVERS

Clutch release prevents over tightening.



## FEATURES

- A single function driver, used for a single torque setting.
  - Most suited for tightening multiple same-size fasteners at the same torque in a production line.
  - Setting confirmation unnecessary.
  - Light weight and short overall length facilitates jobs.  
Sensitive clutch release helps the operator feel when the torque setting is reached.
  - All operators tighten consistently.
  - Two Phillips bit are included.
  - Various hex and box drive bits are available.
  - Accuracy : ±3% of set value, cw, ccw
- \* Please specify required set torque when you order.

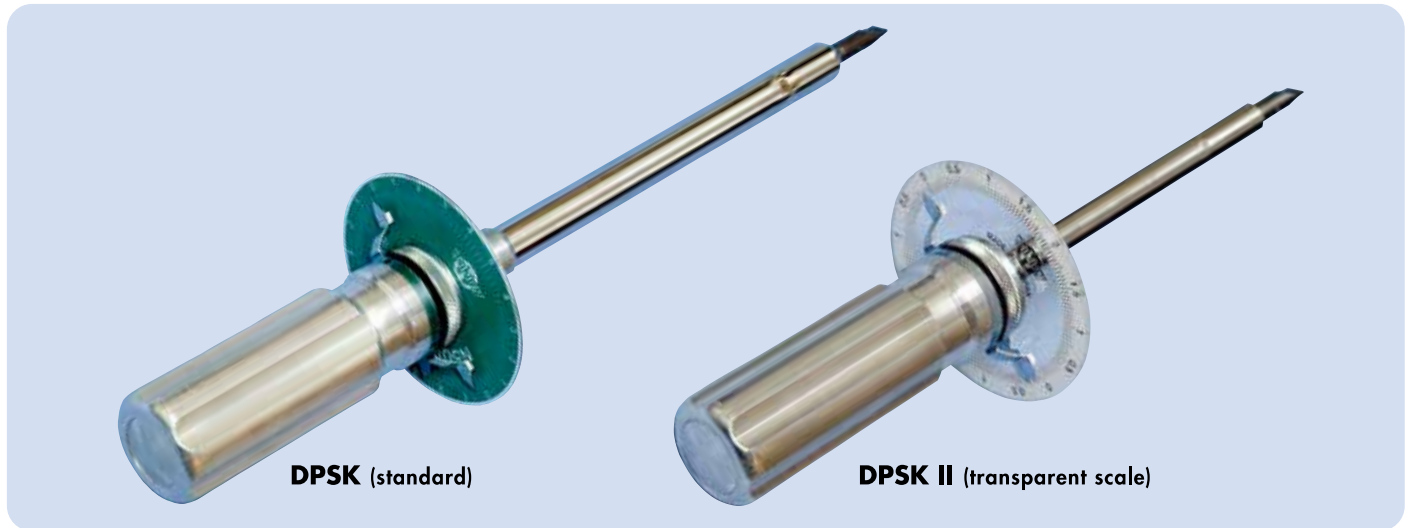


Model (kgf·cm)	Range	Old Model (cN·m/N·m)	New Model (cN·m/N·m)	Range	Model (ozf·in/lbf·in)	Range	Grip dia.	Total length (without bit)	Dimensions (mm)		Weight	Included Accessory		
									Body			Bits		Extension Bar
									L1	φD		g	Phillips	
1.5STDK	0.1~1.5	N1.5STDK	CN15STDK	1~15 cN·m	O1 22STDK	2~22 ozf·in	16	92	22	8	45	No.0 No.1	KANON bits CB type	Included
3STDK	0.2~3	N3STDK	CN30STDK	2~30 //	O1 44STDK	4~44 //								
6STDK	0.5~6	N6STDK	CN60STDK	5~60 //	O1 80STDK	20~80 //	25	103	41	10	94	No.0 No.1	Standard bits SB type	
12STDK	2~12	N12STDK	CN120STDK	20~120 //	O1 200STDK	40~200 //								
20STDK	4~20	N20STDK	CN200STDK	40~200 //	PI 20STDK	4~20 lbf·in	30	116	54	10	170	No.1 No.2	Standard bits SB type	
30STDK	4~30	N30STDK	CN300STDK	40~300 //	PI 30STDK	4~30 //								
50STDK	10~50	N50STDK	CN500STDK	100~500 //	PI 50STDK	10~50 //	35	126	56	10	220	No.2	Standard bits SB type	
100STDK	40~100	N100STDK	CN100STDK	4~10 N·m	PI 100STDK	40~100 //								
							45	248	246	11	790	No.2, No.3		

\*   is the new model that is applied from 1st January, 2016.

# DPSK DIAL GAUGE TORQUE DRIVERS

Suited for light torque, general tightening work, inspections. Easy to handle, easy to read scale.



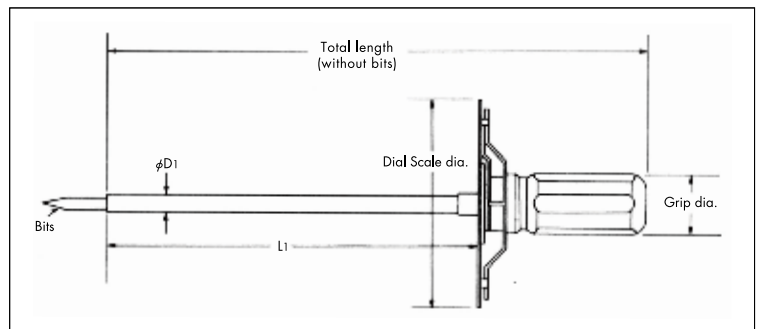
## FEATURES

### DPSK (standard)

- A light torque driver well suited for general tightening, inspections and break tests.
- Easy handling with a direct reading dial gauge.
- Use for both clockwise and counterclockwise tightening.
- Peak torque indicator works in both directions, too.
- Large, easily read dial gauge.

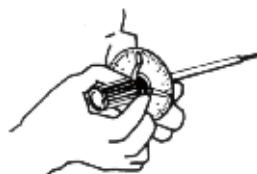
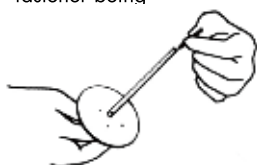
### DPSK II (transparent scale)

- The transparent scale makes engaging the fastener easier.
- For both models, accuracy is  $\pm 3\%$  of the indicated value over the full range



## USING A DPSK DRIVER

- (1) Mount a bit matching the fastener being
- (2) Loosen the peak indicator ring.
- (3) Set the peak indicator to 0.
- (4) Tighten the fastener while observing the scale.



Model (kgf·cm)	Range (CW/CCW)	Increment	Old Model (cN·m/N·m)	New Model (cN·m/N·m)	Range (CW/CCW)	Increment	Dial dia.	Grip dia.	Total length (without bit)	Dimensions (mm)		Weight	Included Accessory Bits	
										Driver shaft(mm)	Weight		Phillips	Bit type
1DPSK-H	0.2~1	0.025	N 1DPSK	CN 10DPSK-H	2~10 cN·m	0.25 cN·m	78	21	260	152	6	0.12	No.0 No.1	Standard bits SB type
2DPSK-H	0.5~2	0.05	N 2DPSK	CN 20DPSK-H	5~20 "	0.5 "			252	148				
5DPSK-H	1~5	0.2	N 5DPSK	CN 50DPSK-H	10~50 "	2 "			255	150				
10DPSK	2~10	0.2	N 10DPSK	CN 100DPSK	20~100 "	2 "			222	130				
20DPSK	5~20	0.5	N 20DPSK	CN 200DPSK	50~200 "	5 "	242	130	12	0.36				
50DPSK	10~50	2	N 50DPSK	CN 500DPSK	100~500 "	20 "	36	300	188	14	0.47	No.1 No.2		
10DPSK(II)	2~10	0.2	N 10DPSK(II)	CN 100DPSK-L	20~100 cN·m	2 cN·m	222	130	12	0.29				
20DPSK(II)	5~20	0.5	N 20DPSK(II)	CN 200DPSK-L	50~200 "	5 "	242	130	12	0.32				
50DPSK(II)	10~50	2	N 50DPSK(II)	CN 500DPSK-L	100~500 "	20 "	36	300	188	14	0.42			

\*   is the new model that is applied from 1st January, 2016.