

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.

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.

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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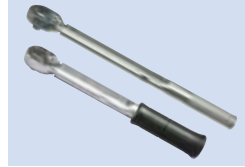
GLK/BLK

ADJUSTABLE, RATCHET TORQUE WRENCHES WITH RUBBER GRIP



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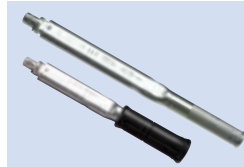
QSPK QSPKH,QSPK-A



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SPCK/SPCKH,SPCKA

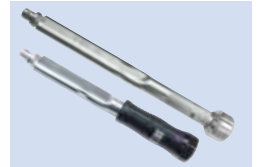
PRE-SET, REPLACEABLE HEAD TORQUE WRENCHES



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LCK/GCK

ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES



PAGE 8

BCK

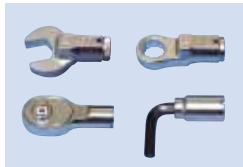
ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES WITH RUBBER GRIP



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HEADS

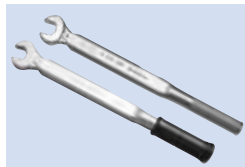
OPTIONAL REPLACEABLE HEADS



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SPK

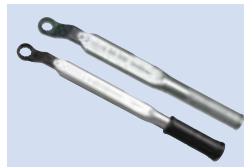
PRE-SET TORQUE WRENCHES



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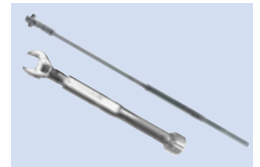
RSPK

PRE-SET, RING TORQUE WRENCHES



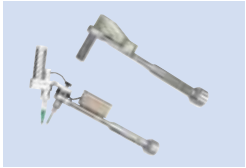
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QLK-LR/ HYK



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MQLK MQLK-E



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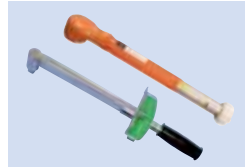
TCSK-99MA SWPM Series



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ZLK/FK

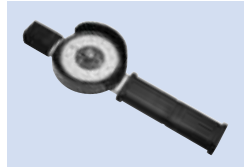
INDICATOR PLATE TORQUE WRENCHES



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TOK-G

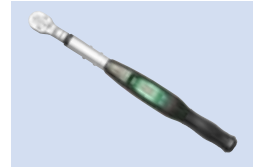
DIAL INDICATOR TORQUE WRENCHES



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DLT-N

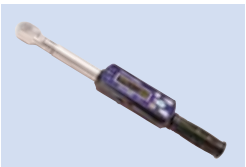
KANON DIGITAL TORQUE WRENCH



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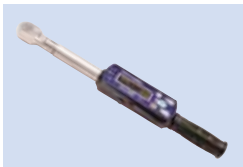
DTC-REV

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

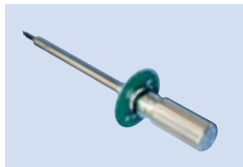
PRE-SET TORQUE DRIVERS



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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



QLK ADJUSTABLE, RATCHET TORQUE WRENCHES

Freely set torque values within the capacity range. Replaceable socket, ratchet wrenches.

FEATURES

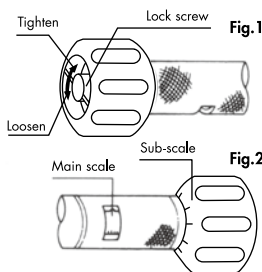
- The ratchet improves efficiency. These wrenches are well suited for repetitive work.
- By replacing the sockets, various sizes of fasteners can be tightened within the tool's capacity range.
- By reversing the ratchet, the wrench can be used to loosen fasteners counter-clockwise.
- Tightening to a torque setting can only be done clockwise.
- Accuracy : ±3% of indicated value over the full range.



ADJUSTING THE TORQUE SETTING

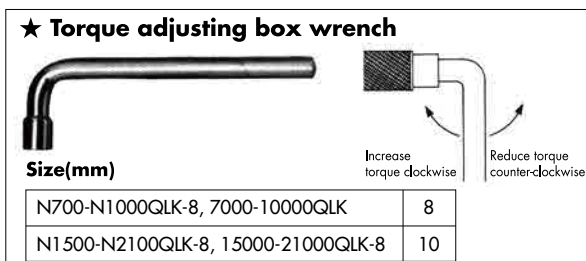
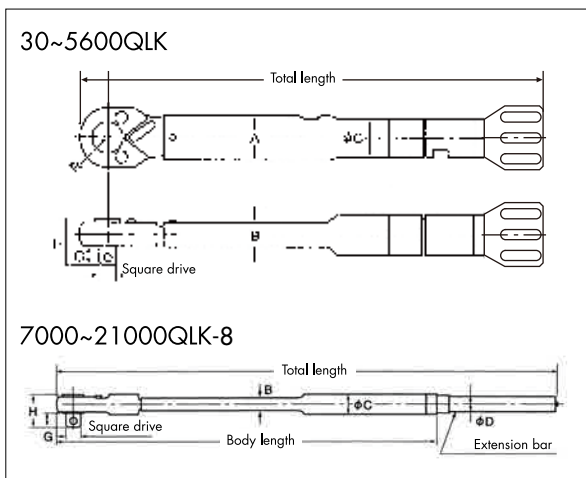
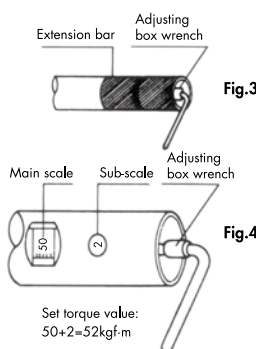
◆ 30QLK~5600QLK

- (1) Loosen the lock screw. (See Fig.1)
- (2) Turn the sub-scale and adjust to a torque value (the main scale plus the sub-scale)(See Fig.2)
- (3) Tighten the lock screw. (If the lock screw hits the pin before completely tightening, then change the position of the pin)



◆ 7000QLK~21000QLK-8

- (1) When applicable, mount the extension bar snugly all the way onto the body of the wrench.
- (2) With the extension bar mounted (See Fig.3), insert the hexagonal side of the adjusting box wrench.
- Without the extension bar (See Fig.4), insert the hexagonal side of the adjusting box wrench into the body.
- (3) Turn the adjusting box wrench to set the torque value. (the main scale plus the sub-scale)



Model (kgf·cm/kgf·m)	Range	Increment	Old Model (cN·m/N·m)	New Model (cN·m/N·m)	Range	Increment	Model (lbf·in)	Range	Increment	Square drive	Total length	Dimensions (mm)								Weight kg	Standard Accessory
												Head				Body					
	kgf·cm/kgf·m	kgf·cm/kgf·m			cN·m/N·m	cN·m/N·m		lbf·in	lbf·in	mm	mm	H	G	R	A	B	C	D	Body length		
30QLK	10~30	0.5	N30QLK	CN300QLK	100~300	5				6.35 (1/4")	187	18.8	7.5	12	18.2	9.6	15			0.19	
60QLK	20~60	1	N60QLK	N6QLK	2~6	0.1															0.28
120QLK	40~120	2	N120QLK	N12QLK	4~12	0.2	PI 120QLK	40~120	2												0.47
250QLK	50~250	2	N250QLK	N25QLK	5~25	0.2	PI 230QLK	70~230	2	9.53 (3/8")	232	25	11	15.5	16	25	11.4	20			0.81
500QLK	100~500	5	N500QLK	N50QLK	10~50	0.5	PI 450QLK	100~450	5		257										0.86
900QLK	200~900	10	N900QLK	N90QLK	20~90	1					359	31	14	19.7	27.5	12.4	21.7				1.5
1000QLK	200~1000	10	N1000QLK	N100QLK	20~100	1	PI 1000QLK	200~1000	10		399										1.95
1400QLK	400~1400	10	N1400QLK	N140QLK	40~140	1															2.1
1800QLK	400~1800	20	N1800QLK	N180QLK	40~180	2															3.3
2000QLK	400~2000	20	N2000QLK	N200QLK	40~200	2	PI 2000QLK	400~2000	20												1.95
2800QLK	400~2800	20	N2800QLK	N280QLK	40~280	2					691	42		23.5	35		27.2				2.1
3600QLK	800~3600	20	N3600QLK	N360QLK	80~360	2															3.3
4200QLK	6~42	0.2	N4200QLK	N420QLK	60~420	2				19.05 (3/4")	965	42.7	20	27.5	38	16	30				5
5600QLK	8~56	0.3	N5600QLK	N560QLK	80~560	3					1,195	49.5		34	43.5	18	34				6.2
7000QLK	10~70	0.5	N7000QLK	N700QLK	100~700	5					1,314			38	46	19.2	35.4	27.2	990		8.5
8500QLK	10~85	0.5	N8500QLK	N850QLK	100~850	5					1,388			38	54	23	42.7	31.8	1,105		8.8
10000QLK	10~100	0.5	N10000QLK	N1000QLK-8	100~1000	5				25.4 (1")	1,538	58	27	38	54	23	42.7	31.8	1,144		14
15000QLK	20~150	1	N15000QLK	N1500QLK	200~1500	10					1,844			43.5	66	26	51	40	1,704		19.5
21000QLK-8	70~210	1	N21000QLK	N2100QLK-8	700~2100	10					2,064										19.5

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

GLK

ADJUSTABLE, RATCHET TORQUE WRENCHES WITH RUBBER GRIP

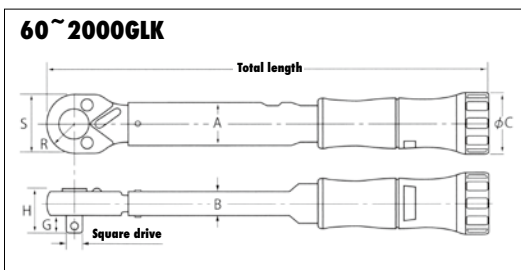
Freely set torque values within the capacity range. Replaceable socket, ratchet wrenches.

FEATURES

- The ratchet improves efficiency. These wrenches are well suited for repetitive work.
- By replacing the sockets, various sizes of fasteners can be tightened within the tool's capacity range.
- By reversing the ratchet, the wrench can be used to loosen fasteners counter-clockwise.
- Tightening to a torque setting can only be done clockwise.
- Accuracy : $\pm 3\%$ of indicated value over the full range.



60~2000GLK



Model (kgf·cm)	Range	Increment	Model (N·m)	Range	Increment	Square drive	Total length	Dimensions (mm)							Weight
								Head				Body			
	kgf·cm	kgf·cm		N·m	N·m	mm	mm	H	G	S	R	A	B	φ C	kg
60GLK	20~60	1	N6GLK	2~6	0.1	6.35 (1/4")	187	18.8	7.5	24	12	18.2	9.6	29	0.2
120GLK	40~120	2	N12GLK	4~12	0.2										0.28
250GLK	50~250	2	N25GLK	5~25	0.2	9.53 (3/8")	233	25	11	31	15.5				0.47
500GLK	100~500	5	N50GLK	10~50	0.5		255			32	16	25	11.4	35	0.8
1000GLK	200~1000	10	N100GLK	20~100	1		355								0.87
1400GLK	400~1400	10	N140GLK	40~140	1	12.7 (1/2")	395	31	14	39.4	19.7	27.5	12.4	38	0.87
2000GLK	400~2000	20	N200GLK	40~200	2		480	33	15.4	46	23	34	15.4	40	1.48

BLK

ADJUSTABLE BY HEX WRENCH, RATCHET TORQUE WRENCHES WITH RUBBER GRIP

Freely set torque values within the capacity range. Replaceable socket, ratchet wrenches.

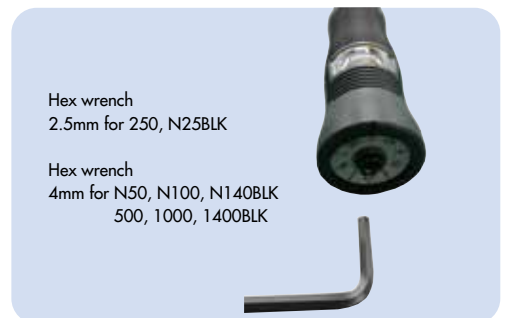
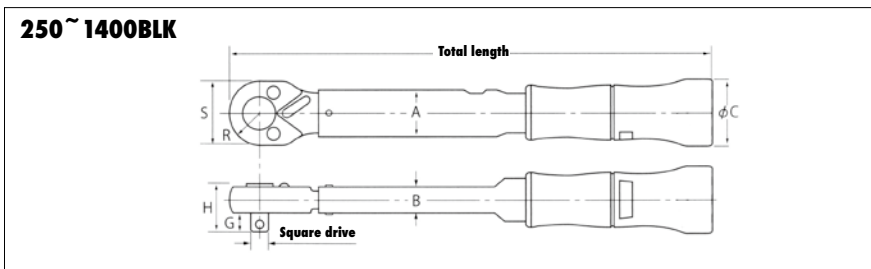
FEATURES

- Adjusted setting torque value by hex wrench.
- The ratchet improves efficiency. These wrenches are well suited for repetitive work.
- By replacing the sockets, various sizes of fasteners can be tightened within the tool's capacity range.
- By reversing the ratchet, the wrench can be used to loosen fasteners counter-clockwise.
- Tightening to a torque setting can only be done clockwise.
- Accuracy : $\pm 3\%$ of indicated value over the full range.



250~1400BLK

*Hex wrench is not included



Hex wrench
2.5mm for 250, N25BLK

Hex wrench
4mm for N50, N100, N140BLK
500, 1000, 1400BLK

Model (kgf·cm)	Range	Increment	Model (N·m)	Range	Increment	Square drive	Total length	Dimensions (mm)						Weight
								Head			Body			
	kgf·cm	kgf·cm		N·m	N·m	mm	mm	H	G	R	A	B	C	kg
250BLK	50~250	2	N25BLK	5~25	0.2	9.53(3/8")	229	25	11	15.5	18.2	9.6	30	0.26
500BLK	100~500	5	N50BLK	10~50	0.5		247							
1000BLK	200~1000	10	N100BLK	20~100	1	12.7(1/2")	346	31	14	19.7	27.5	12.4	36	0.78
1400BLK	200~1400	10	N140BLK	20~140	1		386							

QSPK

PRE-SET, RATCHET TORQUE WRENCHES, METAL HANDLE

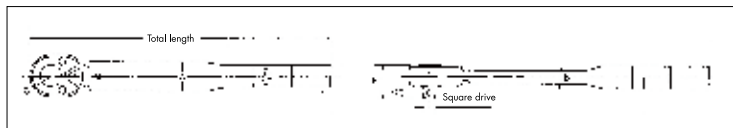
Pre-set torque value. Improved work efficiency with ratchet square drive.

FEATURES

- The ratchet drive enables quickly tightening fasteners to the preset torque. Suitable for repetitive jobs.
- The wrench's inner mechanism automatically resets itself for the the next job after disengaging from a tightened joint.
- Accuracy : ±3% of pre-set value.

EXAMPLE OF ORDER

Model Pre-set Value
 | |
 N100QSPK × 72N·m



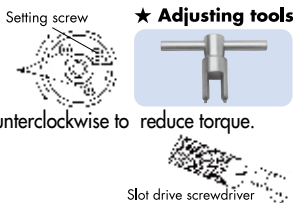
QSPK (Metal Handle)

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Model (lbf·in/lbf·ft)	Range lbf·in/lbf·ft	Square drive mm	Total length mm	Dimensions (mm)						Weight kg	
									Head			Body				
									H	G	R	A	B	C		
60QSPK	20~60	N60QSPK	N6QSPK	2~6	PI 60QSPK	20~60 lbf·in	6.35 (1/4")	174	19.5	7.5	12.5	18.2	9.6	15	0.17	
120QSPK	40~120	N120QSPK	N12QSPK	4~12	PI 120QSPK	40~120 //		220								
250QSPK	50~250	N250QSPK	N25QSPK	5~25	PI 230QSPK	70~230 //	9.53 (3/8")	240	25	12	16	25	11.4	20	0.25	
500QSPK	100~500	N500QSPK	N50QSPK	10~50	PI 450QSPK	100~450 //		340								
1000QSPK	200~1000	N1000QSPK	N100QSPK	20~100	PI 900QSPK	200~900 //	12.7 (1/2")	380	31	14	19.7	27.5	12.4	21.7	0.64	
1400QSPK	400~1400	N1400QSPK	N140QSPK	40~140	PI 1400QSPK	400~1400 //		463.5								
2000QSPK	400~2000	N2000QSPK	N200QSPK	40~200	PI 1800QSPK	400~1800 //	19.05 (3/4")	664	42	20	23	34	15.4	27.2	1.35	
2800QSPK	600~2800	N2800QSPK	N280QSPK	60~280	PI 2800QSPK	600~2800 //		935								
4200QSPK	600~4200	N4200QSPK	N420QSPK	60~420	PF 300QSPK	50~300 lbf·ft									3.5	

RE-SETTING THE PRE-SET TORQUE

(SPK · RSPK · QSPK · SPCK · TYPES)

- (1) Remove the screw cap with a slot drive screw driver.
- (2) Loosen the setting screw with a hex wrench.
- (3) Rotate the adjusting tool to clockwise to increase or counterclockwise to reduce torque.
 Check the set torque value with torque analyzer.
- (4) Tighten the setting screw with a hex wrench.
- (5) Screw on the screws cap and tighten it.



Model	Applicable Torque wrench Tools
Adjusting Tool No.1	(N)3,8,19SPK(H),N3,5,9,21RSPK(H),N6,12,25QSPK(H),30,80,190SPK(H),RSPK(H),60,120,250QSPK(H)
Adjusting Tool No.2	N38,67SPK(H),N42,73RSPK(H),N50,100,140QSPK(H),380,670SPK(H),RSPK(H),500,1000,1400QSPK(H)
Adjusting Tool No.3	N120,160,220SPK,N127,170230RSPK,N200,280QSPK,1200,1600,2200SPK,RSPK,2000,2800QSPK
Adjusting Tool No.4	N310SPK,N320RSPK,N420QSPK,3100SPK,RSPK,4200QSPK
Adjusting Tool No.5	N420SPK,N430RSPK,4200SPK,RSPK

* Adjusting tool is option.

QSPKH, QSPKA

PRE-SET, RATCHET TORQUE WRENCHES WITH RUBBER GRIP

Pre-set torque value. Improved work efficiency with ratchet square drive.

FEATURES

- The ratchet drive enables quickly tightening fasteners to the preset torque. Suitable for repetitive jobs.
- The wrench 's inner mechanism automatically resets itself for the the next job after disengaging from a tightened joint.
- Accuracy : ±3% of pre-set value.
- H-type : The end cap is removed with a slotted screwdriver to adjust torque.



60~1400QSPKH, QSPKA (with Rubber Grip)
 N6~N140QSPKH, QSPKA (with Rubber Grip)

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Square drive mm	Total length mm	Dimensions (mm)						Weight kg	
							Head			Body				
							H	G	R	A	B	C		
60QSPKH	20~60	N60QSPKH	N6QSPKH	2~6	6.35 (1/4")	174	19.5	7.5	12.5	18.2	9.6	26.5	0.19	
120QSPKH	40~120	N120QSPKH	N12QSPKH	4~12		220								
250QSPKH	50~250	N250QSPKH	N25QSPKH	5~25	9.53 (3/8")	240	25	12	16	25	11.4	32.7	0.27	
500QSPKH	100~500	N500QSPKH	N50QSPKH	10~50		340								
1000QSPKH	200~1000	N1000QSPKH	N100QSPKH	20~100	12.7 (1/2")	380	31	14	19.7	27.5	12.4	37	0.41	
1400QSPKH	400~1400	N1400QSPKH	N140QSPKH	40~140		463.5								

■ A-type : Adjusted setting torque value by hex wrench.

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Square drive mm	Total length mm	Dimensions (mm)						Weight kg	
							Head			Body				
							H	G	R	A	B	C		
60QSPKA	20~60	N60QSPK-A	N6QSPKA	2~6	6.35 (1/4")	174	19.5	7.5	12.5	18.2	9.6	26.5	0.19	
120QSPKA	40~120	N120QSPK-A	N12QSPKA	4~12		220								
250QSPKA	50~250	N250QSPK-A	N25QSPKA	5~25	9.53 (3/8")	240	25	12	16	25	11.4	32.7	0.27	
500QSPKA	100~500	N500QSPK-A	N50QSPKA	10~50		340								
1000QSPKA	200~1000	N1000QSPK-A	N100QSPKA	20~100	12.7 (1/2")	380	31	14	19.7	27.5	12.4	37	0.41	
1400QSPKA	400~1400	N1400QSPK-A	N140QSPKA	40~140		463.5								

Note : Use a KANON torque wrench analyzer when adjusting torque. Without the analyzer, torque cannot be adjusted.

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



QSPKH

* Adjusting tool is option



QSPKA

* Hex wrench is option

SPCK PRE-SET, REPLACEABLE HEAD TORQUE WRENCHES

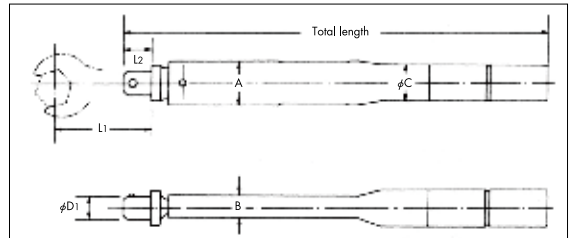
Work at a set torque value can proceed smoothly while using various replaceable heads.

FEATURES

- Replaceable ratchet, open end wrench, ring, and hex drive heads are available.
- Pre-set torque wrench well suited for repetitive jobs at the specified torque value.
- Accuracy : $\pm 3\%$ of pre-set value

USING AN SPCK

Mount the head on the drive.



**SPCK
(Metal Handle)**

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Total length mm	Dimensions (mm)						Weight kg	Replaceable heads
						Head			Body				
						phi D1	L1	L2	A	B	phi C		
60SPCK	20~60	N60SPCK	N6SPCK	2~6	161	10	45	13	18.2	9.6	15	0.15	12QCK, 25 (QCK, SCK, RCK, HCK)
120SPCK	40~120	N120SPCK	N12SPCK	4~12								0.19	25 (QCK, SCK, RCK, HCK)
250SPCK	50~250	N250SPCK	N25SPCK	5~25	196	12	55	16	25	11.4	20	0.27	50 (QCK, SCK, RCK, HCK)
500SPCK	100~500	N500SPCK	N50SPCK	10~50	220							0.57	100 (QCK, SCK, RCK, HCK, NCK)
1000SPCK	200~1,000	N1000SPCK	N100SPCK	20~100	312	15	65	18	27.5	12.4	21.7	0.92	200 (QCK, SCK, RCK, HCK, NCK)
2000SPCK	400~2,000	N2000SPCK	N200SPCK	40~200	428	18	80	22	34	15.4	27.2	1.7	280 (QCK, SCK, RCK, HCK)
2800SPCK	600~2,800	N2800SPCK	N280SPCK	60~280	590	22	100	27	38	16	30	2.6	440 (QCK, SCK, RCK)
4400SPCK	600~4,400	N4400SPCK	N440SPCK	60~440	893							39	2.6

SPCKH, SPCKA PRE-SET, REPLACEABLE HEAD TORQUE WRENCHES WITH RUBBER GRIP

Work at a set torque value can proceed smoothly while using various replaceable heads.



**60~1000SPCKH
60~1000SPCKA
(with Rubber Grip)**

Optional Replaceable Heads (Refer to the page 10)



■ H-type : The end cap is removed with a slotted screwdriver to adjust torque.

Model (kgf·cm)	Range kgf·cm	Old Model (N·m)	New Model (N·m)	Range N·m	Total length mm	Dimensions (mm)						Weight kg	Replaceable heads
						Head			Body				
						phi D1	L1	L2	A	B	phi C		
60SPCKH	20~60	N60SPCKH	N6SPCKH	2~6	161	10	45	13	18.2	9.6	26.5	0.17	12QCK, 25 (QCK, SCK, RCK, HCK)
120SPCKH	40~120	N120SPCKH	N12SPCKH	4~12								0.21	25 (QCK, SCK, RCK, HCK)
250SPCKH	50~250	N250SPCKH	N25SPCKH	5~25	196	12	55	16	25	11.4	32.7	0.3	50 (QCK, SCK, RCK, HCK)
500SPCKH	100~500	N500SPCKH	N50SPCKH	10~50	220							0.62	100 (QCK, SCK, RCK, HCK, NCK)
1000SPCKH	200~1,000	N1000SPCKH	N100SPCKH	20~100	312	15	65	18	27.5	12.4	37	0.62	100 (QCK, SCK, RCK, HCK, NCK)

■ A-type : Adjusted setting torque value by hex wrench.

Model (kgf·cm)	Range kgf·cm	Model (N·m)	Range N·m	Total length mm	Dimensions (mm)						Weight kg	Replaceable heads	
					Head			Body					
						phi D1	L1	L2	A	B	phi C		
60SPCKA	20~60	N6SPCKA	2~6	161	10	45	13	18.2	9.6	26.5	26.5	0.17	12QCK, 25 (QCK, SCK, RCK, HCK)
120SPCKA	40~120	N12SPCKA	4~12									0.21	25 (QCK, SCK, RCK, HCK)
250SPCKA	50~250	N25SPCKA	5~25	196	12	55	16	25	11.4	32.7	32.7	0.3	50 (QCK, SCK, RCK, HCK)
500SPCKA	100~500	N50SPCKA	10~50	220								0.62	100 (QCK, SCK, RCK, HCK, NCK)
1000SPCKA	200~1,000	N100SPCKA	20~100	312	15	65	18	27.5	12.4	37	37	0.62	100 (QCK, SCK, RCK, HCK, NCK)

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

LCK

ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES

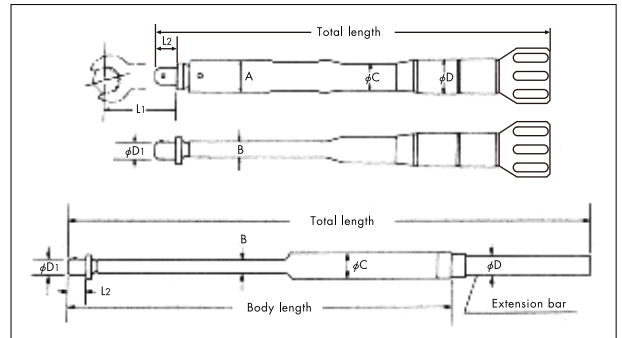
Freely replace heads according to work applications. The combination of replaceable heads and torque adjustability make this series extremely versatile.

FEATURES

- Ring, ratchet, open end wrench and hex drive heads are available.
- The torque can be set to any value within the capacity range.
- Models are available ranging from 20 kgf·cm to 15,000 kgf·cm.
- Accuracy : ±3% of indicated value over the full range



LCK



Model (kgf·cm/kgf·m)	Range kgf·cm/kgf·m	Increment kgf·cm/kgf·m	Old Model (N·m)	New Model (N·m)	Range N·m	Increment N·m	Total length mm	Dimensions (mm)							Weight kg	Replaceable heads						
								Head			Body											
							phi D1	L1	L2	A	B	C	D	Body length								
60LCK	20 ~ 60 kgf·cm	1 kgf·cm	N60LCK	N6LCK	2 ~ 6	0.1	174	10	45	13	18.2	9.6	15		0.18	12QCK, 25 (QCK, SCK, RCK, HCK)						
120LCK	40 ~ 120 //	2 //	N120LCK	N12LCK	4 ~ 12	0.2									0.21	25 (QCK, SCK, RCK, HCK)						
250LCK	50 ~ 250 //	2 //	N230LCK	N25LCK	5 ~ 25	0.2									208	0.38	50 (QCK, SCK, RCK, HCK)					
500LCK	100 ~ 500 //	5 //	N450LCK	N50LCK	10 ~ 50	0.5	238	12	55	16	25	11.4	20	0.6	100 (QCK, SCK, RCK, HCK, NCK)							
1000LCK	200 ~ 1000 //	10 //	N900LCK	N100LCK	20 ~ 100	1	331	15	65	18	27.5	12.4	21.7		1.35	200 (QCK, SCK, RCK, HCK, NCK)						
2000LCK	400 ~ 2,000 //	20 //	N1800LCK	N200LCK	40 ~ 200	2	455	18	80	22	34	15.4	27.2		1.81	280 (QCK, SCK, RCK, HCK)						
2800LCK	400 ~ 2,800 //	20 //	N2800LCK	N280LCK	40 ~ 280	2	653	22	100	27	39	16	30	2.8	440 (QCK, SCK, RCK)							
4400LCK	6 ~ 44 kgf·m	0.2 kgf·m	N4400LCK	N440LCK	60 ~ 440	2	908								39	16	30					
5600LCK	8 ~ 56 //	0.3 //	N5600LCK	N560LCK	80 ~ 560	3	1086								46	19.2	35.4	27.2	876	5.1	700 (QCK, SCK, RCK)	
7000LCK	10 ~ 70 //	0.5 //	N7000LCK	N700LCK	100 ~ 700	5	1206	30	125	45	43.5	18	34	4.1	7.2	1000 (QCK, SCK, RCK)						
8500LCK	10 ~ 85 //	0.5 //	N8500LCK	N850LCK	100 ~ 850	5	1267										46	19.2	35.4	27.2	876	5.1
10000LCK	10 ~ 100 //	0.5 //	N10000LCK	N1000LCK	100 ~ 1,000	5	1417										34	130	47	54	23	42.7
15000LCK	20 ~ 150 //	1 //	N14000LCK	N1500LCK	200 ~ 1,500	10	1700	38	160	60	66	26	51	40	1003	13.5	2100QCK, 1500 (SCK, RCK)					

GCK

ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES WITH RUBBER GRIP

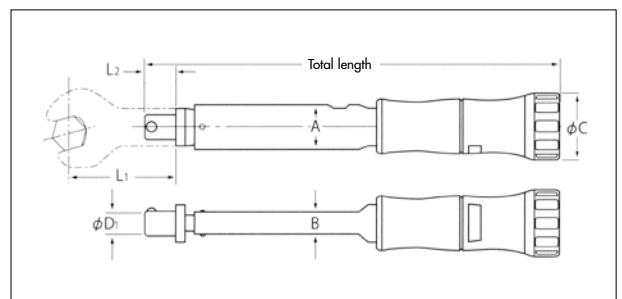
Freely replace heads according to work applications. The combination of replaceable heads and torque adjustability make this series extremely versatile.

FEATURES

- Ring, ratchet, open end wrench and hex drive heads are available.
- The torque can be set to any value within the capacity range.
- Models are available ranging from 20 kgf·cm to 2,000 kgf·cm.
- Accuracy : ±3% of indicated value over the full range



GCK



Model (kgf·cm)	Range kgf·cm	Increment kgf·cm	Model (N·m)	Range N·m	Increment N·m	Total length mm	Dimensions (mm)						Weight kg	Replaceable heads	
							Head			Body					
							phi D1	L1	L2	A	B	C			
60GCK	20 ~ 60	1	N6GCK	2 ~ 6	0.1	174	10	45	13	18.2	9.6	29	0.18	12QCK, 25 (QCK, SCK, RCK, HCK)	
120GCK	40 ~ 120	2	N12GCK	4 ~ 12	0.2									0.21	25 (QCK, SCK, RCK, HCK)
250GCK	50 ~ 250	2	N25GCK	5 ~ 25	0.2									209	0.37
500GCK	100 ~ 500	5	N50GCK	10 ~ 50	0.5	235	12	55	16	25	11.4	35	0.6	100 (QCK, SCK, RCK, HCK, NCK)	
1000GCK	200 ~ 1,000	10	N100GCK	20 ~ 100	1	327	15	65	18	27.5	12.4	38		0.68	200 (QCK, SCK, RCK, HCK, NCK)
1400GCK	400 ~ 1,400	10	N140GCK	40 ~ 140	1	365	18	80	22	34	15.4	40		1.3	200 (QCK, SCK, RCK, HCK, NCK)
2000GCK	400 ~ 2,000	20	N200GCK	40 ~ 200	2	480	18	80	22	34	15.4	40	1.3	200 (QCK, SCK, RCK, HCK, NCK)	

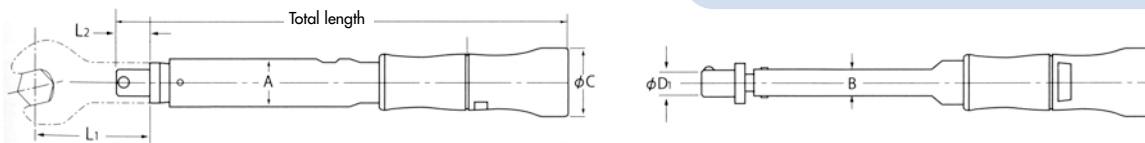
* is the new model that is applied from 1st January, 2016.

BCK ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES WITH RUBBER GRIP

Freely replace heads according to work applications. The combination of replaceable heads and torque adjustability make this series extremely versatile.

FEATURES

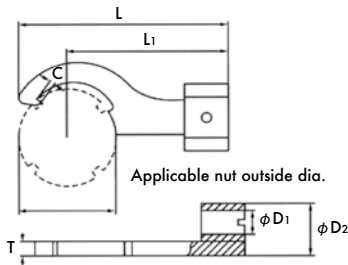
- Ring, ratchet, open end wrench and hex drive heads are available.
- The torque can be set to any value within the capacity range.
- Models are available ranging from 20 kgf·cm to 1,400 kgf·cm.
- Accuracy : ±3% of indicated value over the full range



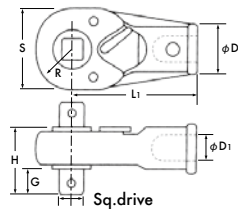
Model (kgf·cm)	Range kgf·cm	Increment kgf·cm	Model (N·m)	Range N·m	Increment N·m	Square drive mm	Total length mm	Dimensions (mm)						Weight kg
								Head			Body			
								φD1	L1	L2	A	B	φC	
250BCK	50~250	2	N25BCK	5~25	0.2	9.53(3/8")	205	10	45	13	18.2	9.6	29	0.2
500BCK	100~500	5	N50BCK	10~50	0.5	9.53(3/8")	227	12	55	16	25	11.4	35	0.35
1000BCK	200~1000	10	N100BCK	20~100	1	12.7(1/2")	318	15	65	18	27.5	12.4	38	0.58
1400BCK	200~1400	10	N140BCK	20~140	1	12.7(1/2")	356	15	65	18	27.5	12.4	38	0.66

HEADS OPTIONAL REPLACEABLE HEADS

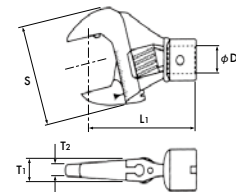
NCK



QCK-LR (Ratchet head)



MCK (Open End head)



■ NCK Nut outside dia.

Unit : mm

Model	Nut outside dia.	T	C	L	L1	φD1	φD2	Applicable torque wrench
100NCK3032	30 ~ 32	5	2.3	81	65	15	28	1000LCK, N100LCK, 1000SPCK, N100SPCK, 1000, 1400GCK, N100, N140GCK, 1000BCK, 1400BCK, N100BCK, N140BCK, DTC-1000REV, DTC-N100REV, DTC-P1800REV, DLT-N100-UC
100NCK3438	34 ~ 38	6	2.5	85			29	
100NCK4042	40 ~ 42	6	2.5	88			29	
100NCK4548	45 ~ 48	6.5	2.5	91			29.5	
100NCK5055	50 ~ 55	6.5	2.5	94			29.5	
200NCK5865	58 ~ 65	7.5	3	112	80	18	33.5	2000LCK, N200LCK, 2000SPCK, N200SPCK, 2000GCK, N200GCK, DTC-2000REV, DTC-N200REV, DTC-PF100REV, DLT-N200-UC
200NCK6570	65 ~ 70	7.5	3	112			33.5	
200NCK7075	70 ~ 75	8	3.5	117			34	
200NCK8085	80 ~ 85	8.5	3.5	121			34.5	
200NCK92100	92 ~ 100	8.5	4	126			34.5	

■ QCK-LR

Unit : mm

Model	Sq. drive	S	H	G	R	L1	φD1	φD2	Applicable torque wrench
700QCK-LR	19.05 (3/4")	68	70	20	34	125	30	41	N560LCK, N700LCK
1000QCK-LR	25.4 (1")	76	85	27	38	130	34	45	N850LCK, N1000LCK

■ MCK

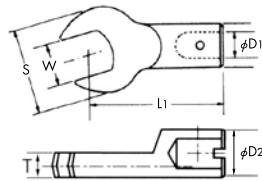
Unit : mm

Model	Nut outside dia.	S	φD1	L1	T1	T2	Applicable torque wrench
50MCK	10 ~ 26	49	12	57	10	5.5	N50GCK, N50BCK, N50LCK, N50HYK
100MCK	10 ~ 30	59	15	65	12	6	N100GCK, N140GCK, N100BCK, N100LCK, N100HYK
200MCK	17 ~ 38	67	18	80	13	6.5	N200GCK, N200LCK, N200HYK

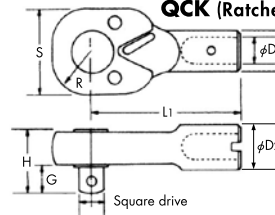
HEADS

OPTIONAL REPLACEABLE HEADS

SCK (Open End head)



QCK (Ratchet head)



■ **SCK open end heads**

Unit : mm

Old Model	New Model	Size (W)					S	T	L1	φD1	φD2	Applicable torque wrench
		7	8	9	10	11						
230SCK	25SCK	7	8	9	10	11	29	7	45	10	16	60-250LCK, N6-N25LCK, 60-250SPCK, N6-N25SPCK, 250GCK, N25GCK, DTC-20REV, DTC-50REV, DTC-100REV, DTC-CN200REV, DTC-CN500REV, DTC-N10REV, DTC-PI-40REV, DTC-PI80REV
		12	13	14	15	16	32					
		17	19	21	22		39					
		24	27				45					
450SCK	50SCK	8	9	10	11		32	8	55	12	20	500LCK, N50LCK, 500SPCK, N50SPCK, 500GCK, N50GCK, DTC-500REV, DTC-N50REV, DTC-PI400REV, DLT-N50UC
		12	13	14	15	16	36					
		17	19	21	22		44					
		24	27				50					
900SCK	100SCK	12	13	14	15		40	10	65	15	24	1000LCK, N100LCK, 1000SPCK, N100SPCK, 1000, 1400GCK, 1000BCK, 1400BCK, N100BCK, N140BCK, N100, N140GCK, DTC-1000REV, DTC-N100REV, DTC-PI800REV, DLT-N100-UC
		16	17	19	21	22	48					
		24	27	30	32		57					
		17	19	21	22		56					
1800SCK	200SCK	24	27	30			64	14	80	18	28	2000LCK, N200LCK, 2000SPCK, N200SPCK, 2000GCK, N200GCK, DTC-2000REV, DTC-N200REV, DTC-PF100REV, DLT-N200-UC
		32	36	41			75					
		19					59					
		21	22				61					
2800SCK	280SCK	24					63	16.5	100	22	30	2800LCK, N280LCK, 2800SPCK, N280SPCK, DTC-3000REV, DTC-N300REV, DTC-PF200REV
		27					67					
		30					69					
		32					71					
		36					75					
		41					80					
		46					85					
		19	22	24			70					
27	30	32			78							
36	41				84							
46	50				94							
7000SCK	700SCK	55	60				100	25	125	30	41	5600, 7000LCK, N560, N700LCK, DTC-5000REV, DTC-N500REV, DTC-PF400REV
		22	24				80					
		27					83					
		30					86					
		32					88					
		36					91					
		41					95					
		46					98					
		50					102					
		55					105					
10000SCK	1000SCK	60					110	28	130	34	45	8500, 10000LCK, N850, N1000LCK, DTC-10000REV, DTC-N1000REV
		27					84					
		30	32				90					
		36					95					
		41					100					
		46					106					
		50					110					
		55					115					
14000SCK	1500SCK	60					120	32	160	38	50	15000LCK, N1500LCK
		41					110					
		46					115					
		50					120					
		55					122					
		60					127					
		65					130					

■ **QCK ratchet heads**

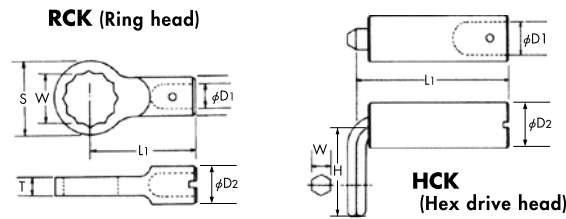
Unit : mm

Old Model	New Model	Sq. drive	S	H	G	R	L1	φD1	φD2	Applicable torque wrench
120QCK	12QCK	6.35 (1/4")	24	19	7.5	12	45	10	16	60-250LCK, N6-N25LCK, 60-250SPCK, N6-N25SPCK, 250GCK, N25GCK, DTC-20REV, DTC-50REV, DTC-100REV, DTC-CN200REV, DTC-CN500REV, DTC-N10REV, DTC-PI-40REV, DTC-PI80REV
230QCK	25QCK	9.53 (3/8")	31	25	11	15.5	55	12	18	500LCK, N50LCK, 500SPCK, N50SPCK, 500GCK, N50GCK, DTC-500REV, DTC-N50REV, DTC-PI400REV, DLT-N50UC
450QCK	50QCK	12.7 (1/2")	39	31	14	19.7	65	15	24	1000LCK, N100LCK, 1000SPCK, N100SPCK, 1000, 1400GCK, 1000BCK, 1400BCK, N100BCK, N140BCK, N100, N140GCK, DTC-1000REV, DTC-N100REV, DTC-PI800REV, DLT-N100-UC
900QCK	100QCK	19.05 (3/4")	46	33	20	23	80	18	26	2000LCK, N200LCK, 2000SPCK, N200SPCK, 2000GCK, N200GCK, DTC-2000REV, DTC-N200REV, DTC-PF100REV, DLT-N200-UC
1800QCK	200QCK	25.4 (1")	54	42.5	27	34	125	30	41	2800LCK, N280LCK, 2800SPCK, N280SPCK, DTC-3000REV, DTC-N300REV, DTC-PF200REV
2800QCK-A	280QCK-A	25.4 (1")	68	50	34	125	30	41	45	4400LCK, N440LCK, 4400SPCK, N440SPCK
4400QCK	440QCK	25.4 (1")	76	58	27	38	130	34	45	5600, 7000LCK, N560, N700LCK, DTC-5000REV, DTC-N500REV, DTC-PF400REV
7000QCK	700QCK	25.4 (1")	87	61	28.5	43.5	160	38	52	8500, 10000LCK, N850, N1000LCK, DTC-10000REV, DTC-N1000REV, DTC-PF800REV
10000QCK	1000QCK	25.4 (1")								15000LCK, N1500LCK

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

HEADS

OPTIONAL REPLACEABLE HEADS



RCK ring heads

Unit : mm

Old Model	New Model	Size (W)				S	T	L ₁	φ D ₁	φ D ₂	Applicable torque wrench
		7	8	9	10						
230RCK	25RCK	7				18	8	45	10	16	60-250LCK, N6-N25LCK, 60-250SPCK, N6-N25SPCK, 250GCK, N25GCK, DTC-20REV, DTC-50REV, DTC-100REV, DTC-CN200REV, DTC-CN500REV, DTC-N10REV, DTC-PI-40REV, DTC-PI80REV
		11				21					
		12	13	14		31					
		17	19	22		32					
450RCK	50RCK	8	10			19	10	55	12	20	500LCK, N50LCK, 500SPCK, N50SPCK, 500GCK, N50GCK, DTC-500REV, DTC-N50REV, DTC-PI400REV, DLT-N50UC
		11	12	13	14	22					
		17	19	22		32					
900RCK	100RCK	12	13	14		25	13	65	15	23	1000LCK, N100LCK, 1000SPCK, N100SPCK, 1000, 1400GCK, N100, 1000BCK, 1400BCK, N100BCK, N140BCK, N140GCK, DTC-1000REV, DTC-N100REV, DTC-PI800REV, DLT-N100-UC
		17	19	21	22	34					
		24	27	30		42					
		17	19	22		35					
1800RCK	200RCK	24	27	30		45	15	80	18	27	2000LCK, N200LCK, 2000SPCK, N200SPCK, 2000GCK, N200GCK, DTC-2000REV, DTC-N200REV, DTC-PF100REV, DLT-N200-UC
		32	36	41		58					
		19	22	24		40					
2800RCK	280RCK	27	30	32		47	17	100	22	30	2800LCK, N280LCK, 2800SPCK, N280SPCK, DTC-3000REV, DTC-N300REV, DTC-PF200REV
		36	41			63					
		46				20					
		19	22	24		44					
4400RCK	440RCK	27	30	32		50	20	125	30	41	5600, 7000LCK, N560, N700LCK, DTC-5000REV, DTC-N500REV, DTC-PF400REV
		36	41			58					
		46	50			66					
		55	60			80					
		22	24			52					
7000RCK	700RCK	27	30	32		57	20	130	34	45	8500, 10000LCK, N850, N1000LCK, DTC-10000REV, DTC-N1000REV
		36				62					
		41				70					
		46	50			80					
		55				30					
		60				25					
10000RCK	1000RCK	27	30	32		60	25	130	34	45	8500, 10000LCK, N850, N1000LCK, DTC-10000REV, DTC-N1000REV
		36				65					
		41				72					
		46				80					
		50				33					
14000RCK	1500RCK	55				75	27	160	38	50	15000LCK, N1500LCK
		60				80					
		41				30					
		46				32					
		65				35					

HCK hex drive heads

Unit : mm

Old Model	New Model	Size (W)	L ₁	φ D ₁	φ D ₂	Size (H)	Applicable torque wrench
230HCK	25HCK	2.5	45	10	16	19	60-250LCK, N6-N25LCK, 60-250SPCK, N6-N25SPCK, 250GCK, N25GCK, DTC-20REV, DTC-50REV, DTC-100REV, DTC-CN200REV, DTC-CN500REV, DTC-N10REV, DTC-PI-40REV, DTC-PI80REV
		3				22	
		4				25	
		5				30	
		6				35	
		8				40	
450HCK	50HCK	4	55	12	20	27	500LCK, N50LCK, 500SPCK, N50SPCK, 500GCK, N50GCK, DTC-500REV, DTC-N50REV, DTC-PI400REV, DLT-N50UC
		5				30	
		6				35	
		8				40	
		10				45	
900HCK	100HCK	6	65	15	23	35	1000LCK, N100LCK, 1000SPCK, N100SPCK, 1000, 1400GCK, N100, N140GCK, 1000BCK, 1400BCK, N100BCK, N140BCK, DTC-1000REV, DTC-N100REV, DTC-PI800REV, DLT-N100-UC
		8				40	
		10				45	
		12				51	
		14				63	
		17				72	
1800HCK	200HCK	8	80	18	28	40	2000LCK, N200LCK, 2000SPCK, N200SPCK, 2000GCK, N200GCK, DTC-2000REV, DTC-N200REV, DTC-PF100REV, DLT-N200-UC
		10				45	
		12				51	
		14				63	
		17				72	
2800HCK	280HCK	12	100	22	30	51	2800LCK, N280LCK, 2800SPCK, N280SPCK, DTC-3000REV, DTC-N300REV, DTC-PF200REV
		14				63	
		17				71	
		19				80	

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