



# KILEWS®



INNOVATION FOR SCREWS FASTENING

## INTELLIGENT HIGH PRECISION TORQUE/ ANGLE CONTROL SCREWDRIVER



KILEWS Industrial Co., Ltd.  
<https://www.kilews.com.tw/en/>



TAIWAN  
EXCELLENCE  
2024

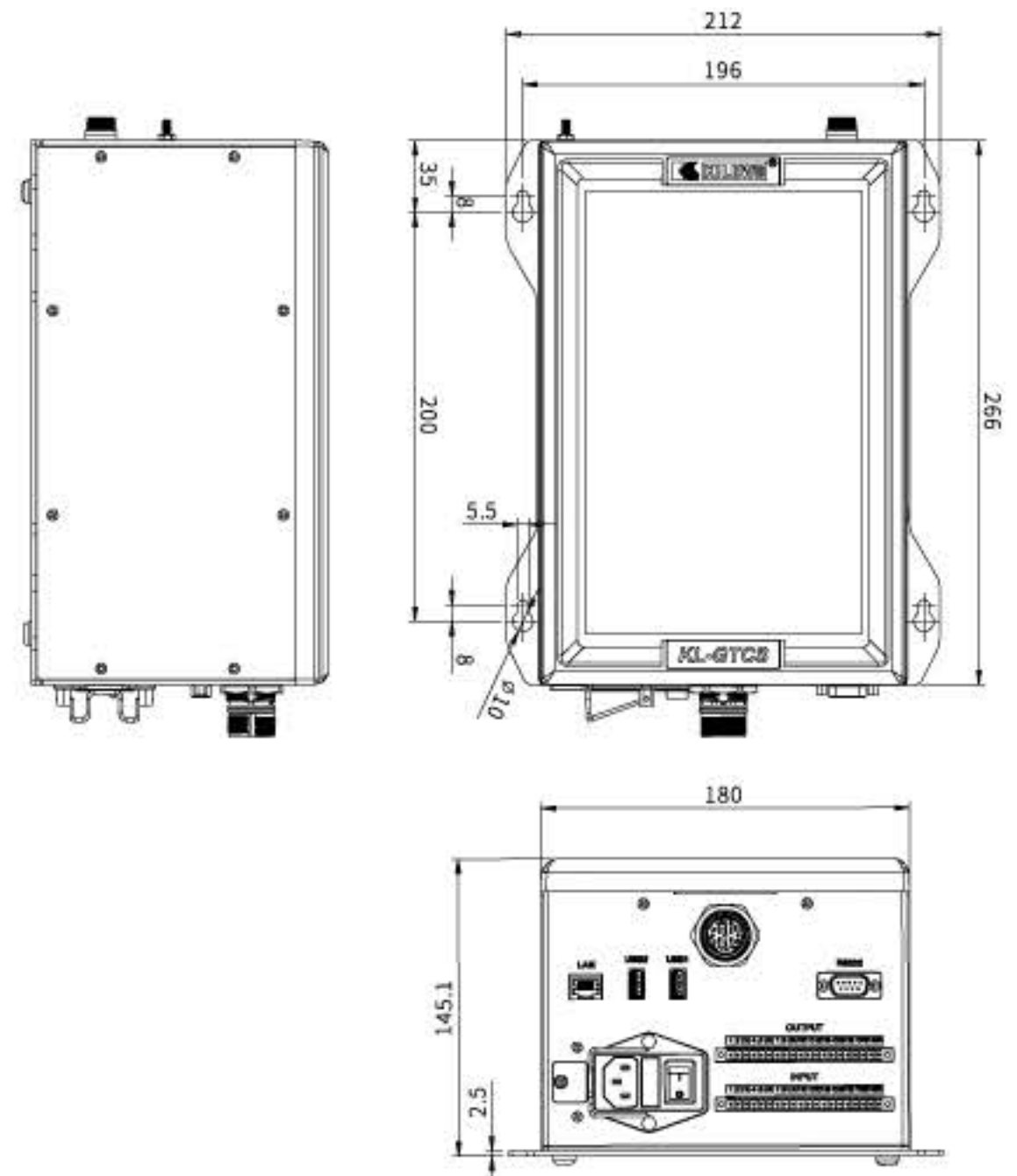
# INTELLIGENT HIGH PRECISION TORQUE / ANGLE TRANSDUCER SCREWDRIVER SERIES



## KL-GTCS Series



### External Dimension



Unit: mm

### Features

- Torque Control
- Angle Control
- Thread Control
- Built-in torque sensor and angle encoding for precise torque control
- 10-inch touch screen with a clear display for convenient operation
- High-quality materials to enhance durability in industrial environments
- Sleek high-tech design with ergonomic features for effortless operation
- Standard data transmission port, compatible with industry 4.0 requirements
- Real-time fastening graphics for analysis and monitoring
- Built-in data storage for recording and tracking data
- High-precision torque sensor to ensure the best accuracy
- Multiple start modes: lever trigger, push-down screwdriver, or a combination of both
- LED illumination options: constant on, off, or activated only during use
- USB data storage for easy data transfer
- Screw counting feature
- Adjustable parameters to accommodate various material hardness levels
- Two available modes: Normal and Advance for different settings and customization
- Modbus protocol support via RS232 port
- I/O ports for seamless connectivity
- Graphical representation of fastening status, angle, torque, power, and time

### Specifications

Model	<b>KL-GTCS</b>
Input Voltage	AC 115V / 230V
Input Frequency	50 - 60Hz
Input Current	6.3A
Output Voltage	DC 40V
Output Current	Max 9A
power consumption	360W
External dimensions(mm)	266*180*145
Weight(g)	4080
Applicable Model	SGT-CS Series SGT-LCS Series

# INTELLIGENT HIGH PRECISION TORQUE / ANGLE TRANSDUCER SCREWDRIVER SERIES



## SGT-CS Series



(Optional)

M 32 \* P1.0  
LH (Reverse Thread)



A

SGT-CS3 Series

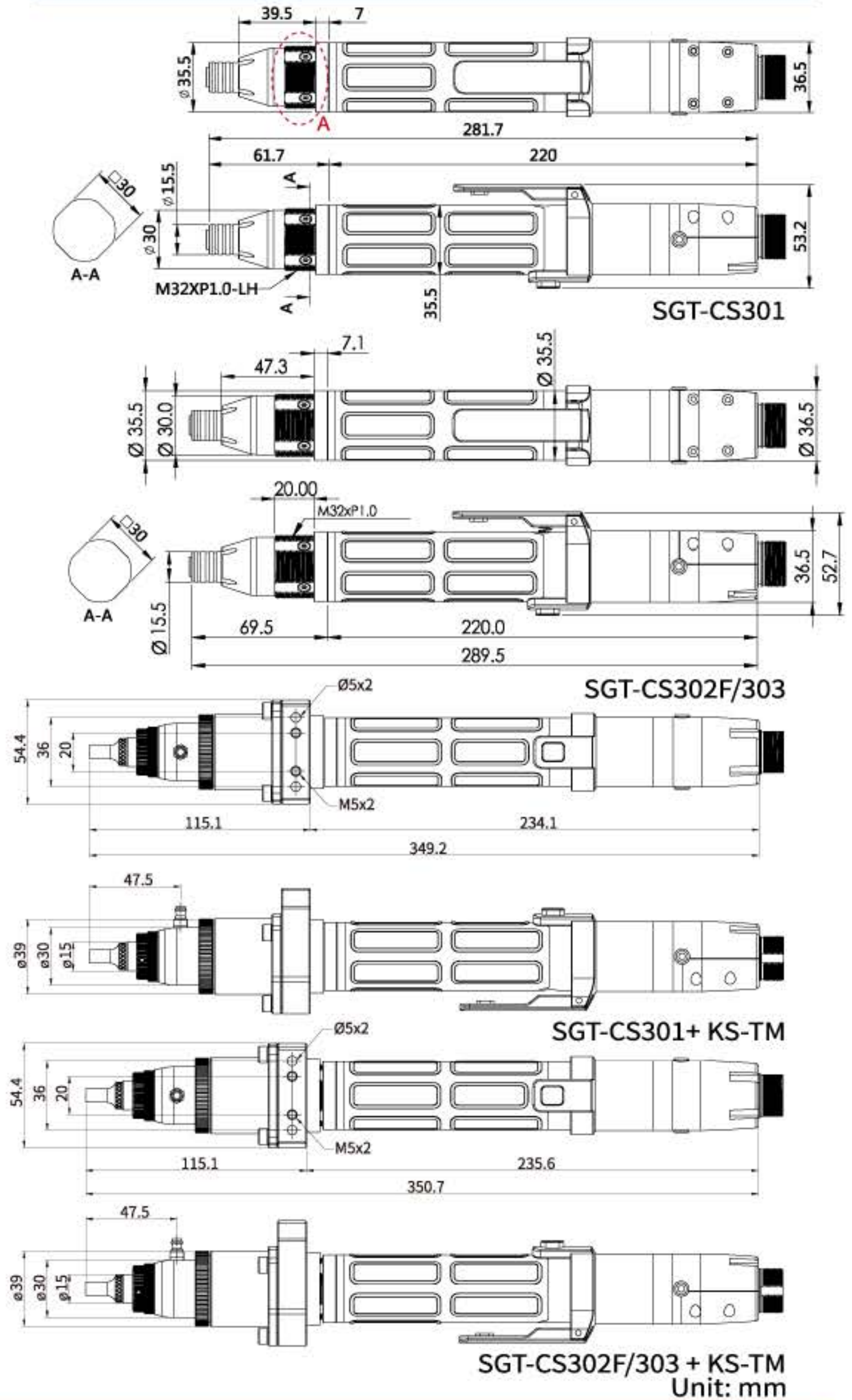
SGT-CS301 + KS-TM-TCGS310  
SGT-CS302F/303 + KS-TM-TCGS330

PART NO	d1	d2	D	H
P11032-15	3.5	5.5	6.5	2
P11032-17	4.5	6.5	7.5	2
P11032-18	5.5	7.5	8.5	2

※d1<Screw Head Dia<d2



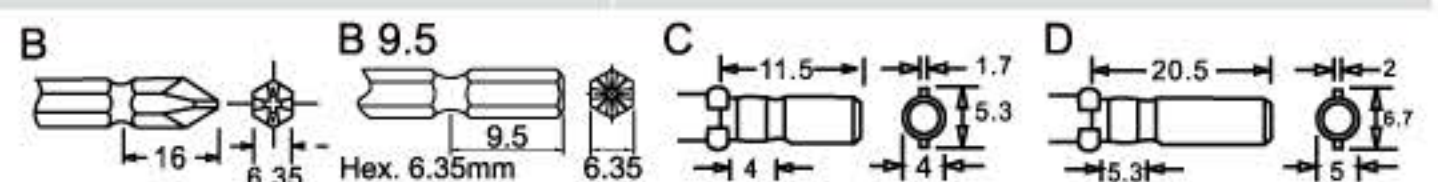
## External Dimension



## Specifications

Model	SGT-CS301	SGT-CS302F	SGT-CS303
Input Voltage		DC40	
Torque	(N.m)	0.1~ 1	0.38 ~ 3
	(kgf.cm)	1.02 ~ 10.2	3.88 ~ 30.60
	(Lbf.in)	0.88 ~ 8.85	3.36 ~ 26.55
Repeatable Torque Accuracy		+/- 3sigma / AVG., 5%	
Free Speed(r.p.m)	980~60	2000~140	980~60
Power Consumption		90W	
Weight(g)	644	692	718
Length(mm)	282	291	291
Power Controller		KL-GTCS	
Bit Type	B 9.5·C·D	B·B 9.5·D	B·B 9.5·D

※CE、RoHS



# INTELLIGENT HIGH PRECISION TORQUE / ANGLE TRANSDUCER SCREWDRIVER SERIES



## SGT-CS Series



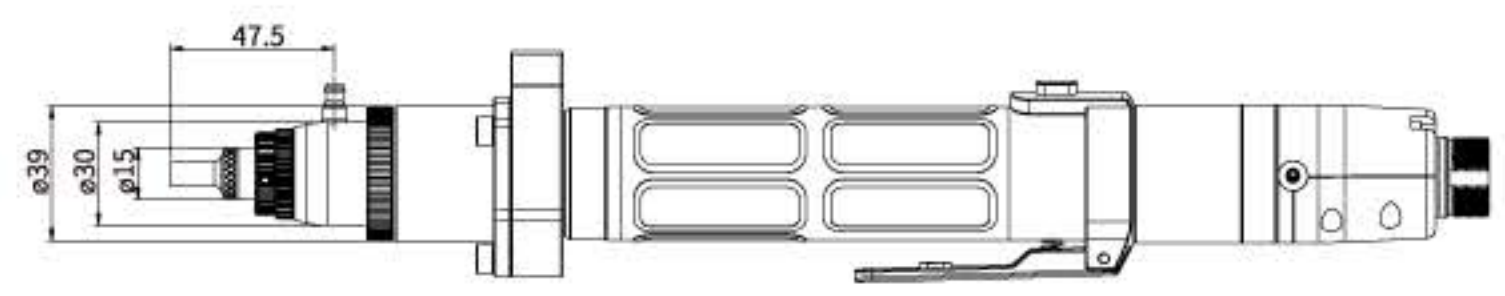
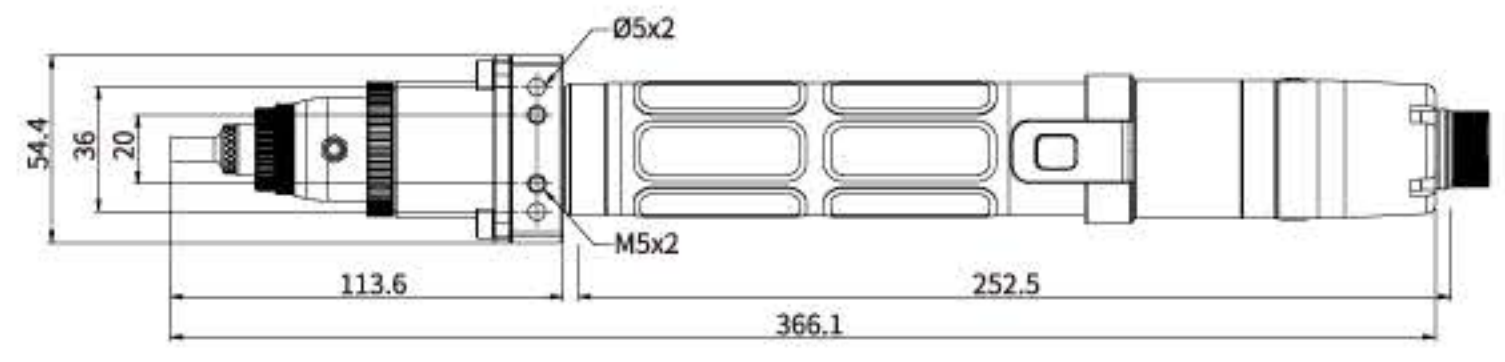
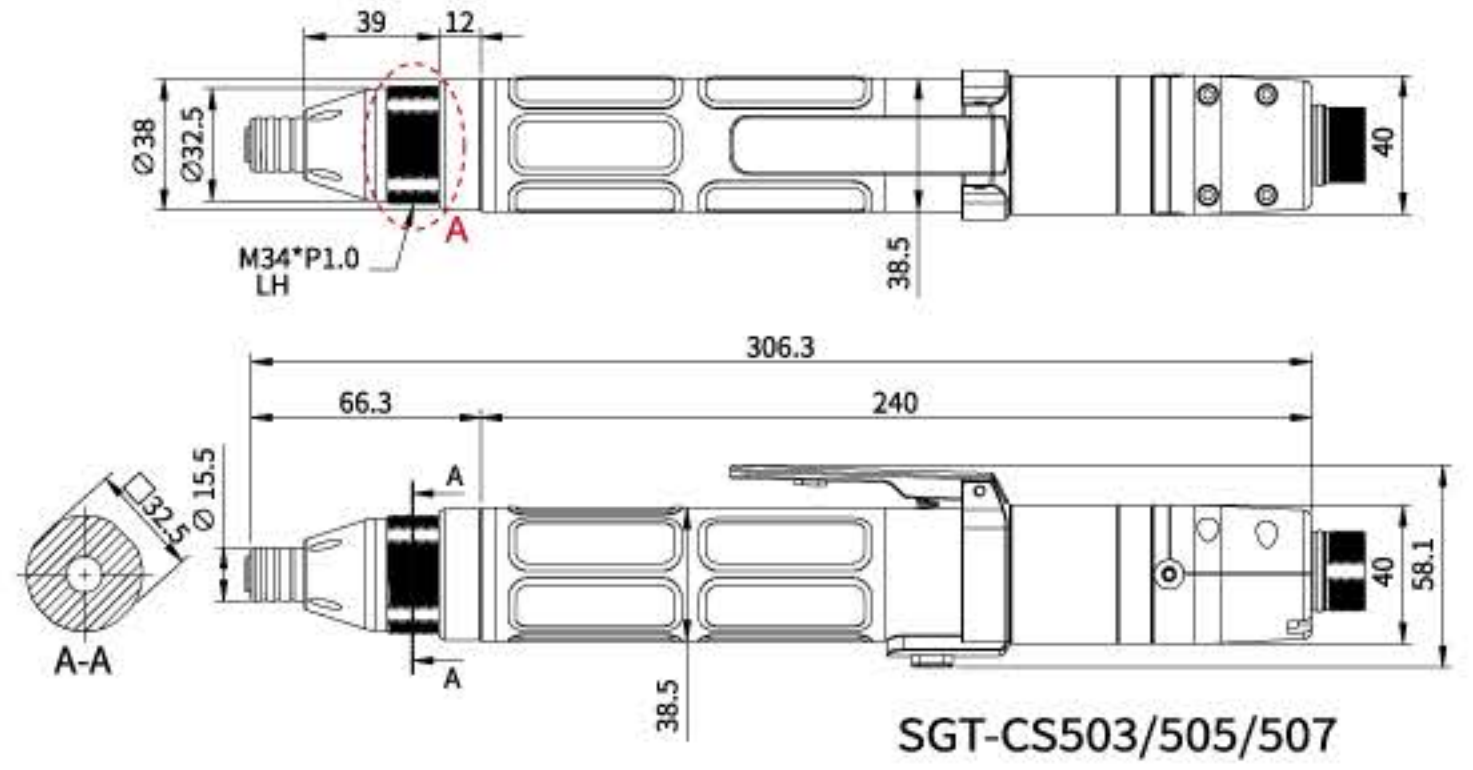
M 34 \* P1.0  
LH (Reverse Thread)



SGT-CS5 Series

SGT-CS5 Series + KS-TM-TCG550

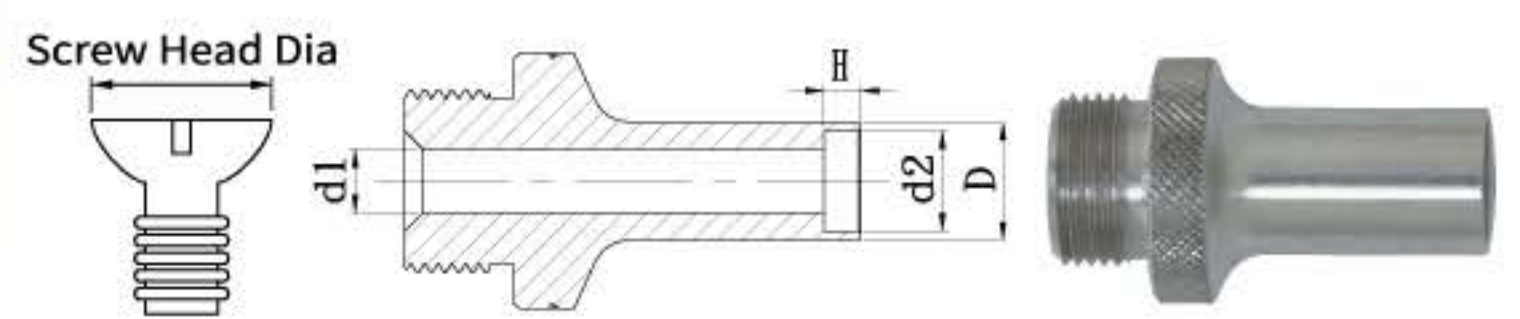
### External Dimension



Unit: mm

PART NO	d1	d2	D	H
P11032-15	3.5	5.5	6.5	2
P11032-17	4.5	6.5	7.5	2
P11032-18	5.5	7.5	8.5	2

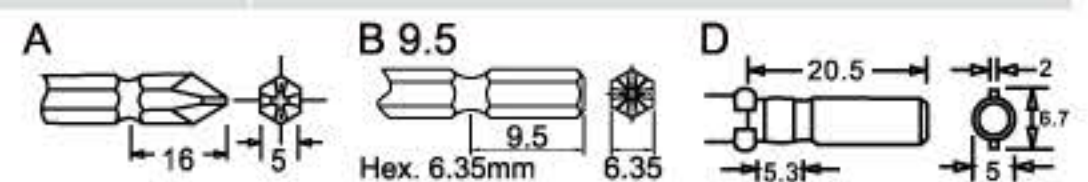
※d1<Screw Head Dia<d2



### Specifications

Model	SGT-CS503	SGT-CS505	SGT-CS507	
Input Voltage	DC40			
Torque	(N.m)	0.38 ~ 3	0.63 ~ 5	0.88 ~ 7
	(kgf.cm)	3.88 ~ 30.60	6.43 ~ 51.00	8.98 ~ 71.40
	(Lbf.in)	3.36 ~ 26.55	5.58 ~ 44.26	7.79 ~ 61.96
Repeatable Torque Accuracy	+/- 3sigma / AVG., 5%			
Free Speed(r.p.m)	1600~60	1100~60	660~60	
Power Consumption	90W			
Weight(g)	900			
Length(mm)	307			
Power Controller	KL-GTCS			
Bit Type	A·B 9.5·D	A·B 9.5	B 9.5	

※CE、RoHS



# INTELLIGENT HIGH PRECISION TORQUE / ANGLE TRANSDUCER SCREWDRIVER SERIES



SGT-CS Series

## External Dimension

(Optional)

M 40 \* P1.5  
LH (Reverse Thread)

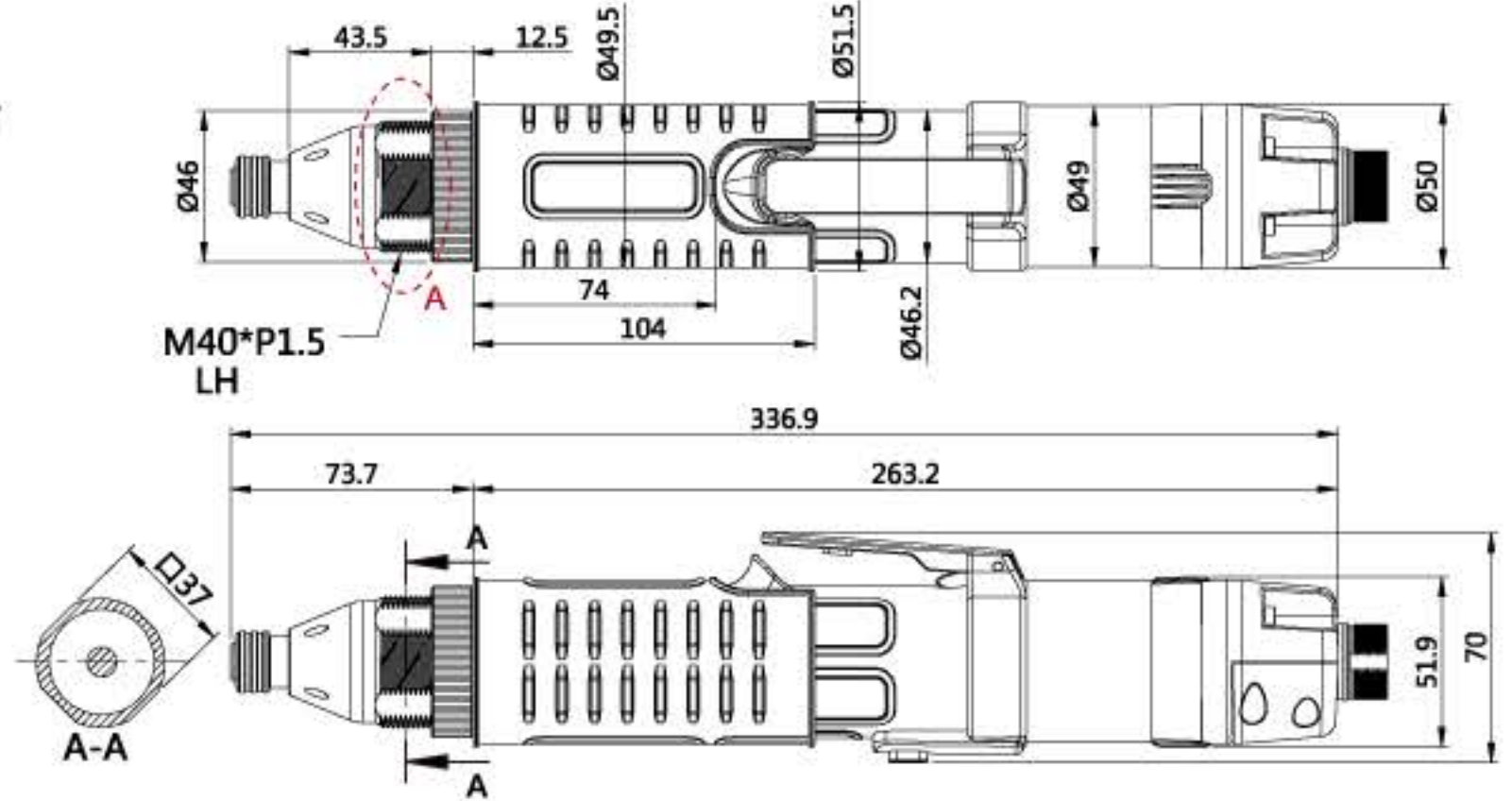


SGT-CS712/718

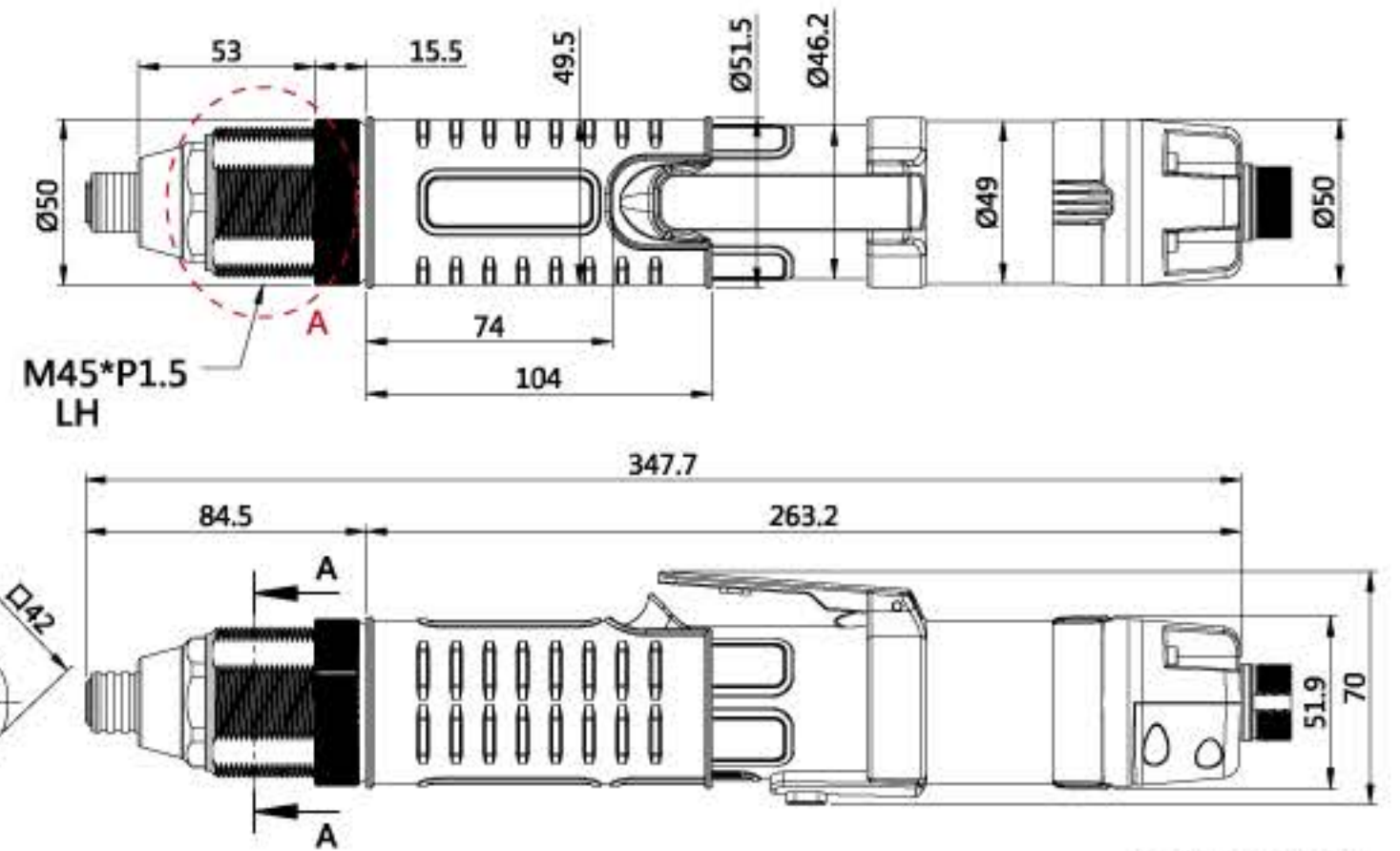


SGT-CS725

M 45 \* P1.5  
LH (Reverse Thread)



SGT-CS712/718

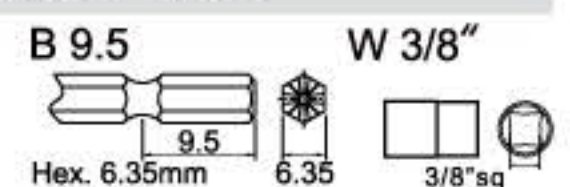


SGT-CS725  
Unit: mm

## Specifications

Model	SGT-CS712	SGT-CS718	SGT-CS725
Input Voltage		DC40	
Torque	(N.m)	1.5 ~ 12	2.25 ~ 18
	(kgf.cm)	15.30 ~ 122.40	22.95 ~ 183.6
	(Lbf.in)	13.28 ~ 106.21	19.91 ~ 159.3
Repeatable Torque Accuracy		+/- 3sigma / AVG., 5%	
Free Speed(r.p.m)	800~40	550~30	350~20
Power Consumption		90W	
Weight(g)	1460	1475	1910
Length(mm)	337	337	348
Power Controller		KL-GTCS	
Bit Type	B 9.5·W3/8"	B 9.5·W3/8"	B 9.5·W3/8"

※CE、RoHS



# INTELLIGENT HIGH PRECISION TORQUE / ANGLE TRANSDUCER SCREWDRIVER SERIES



SGT-LCS Series



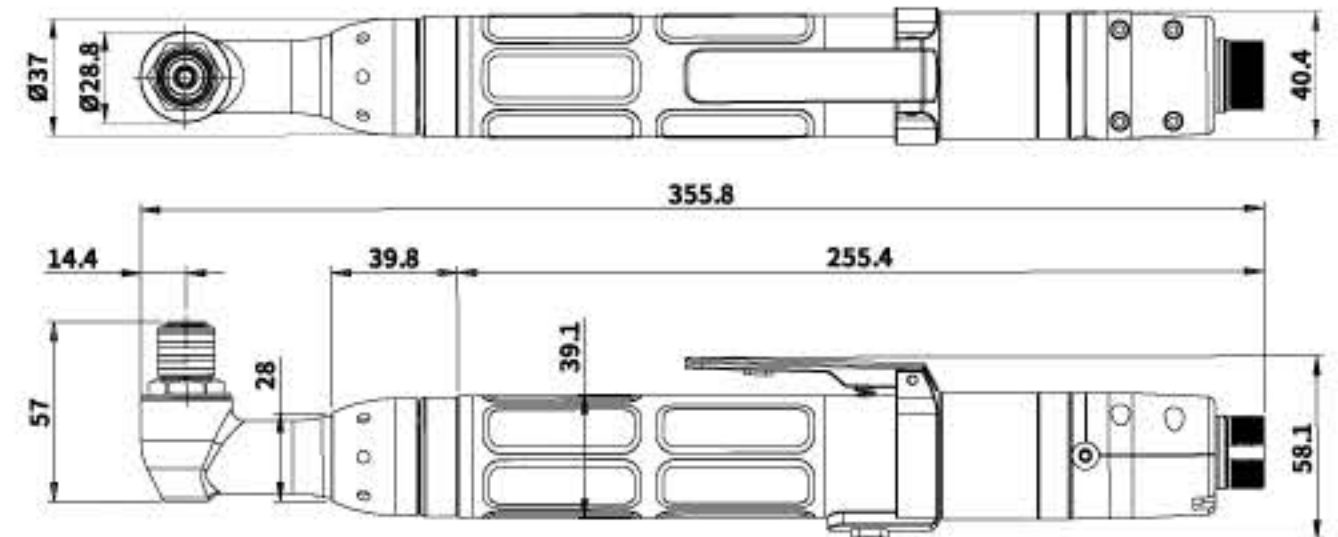
## External Dimension



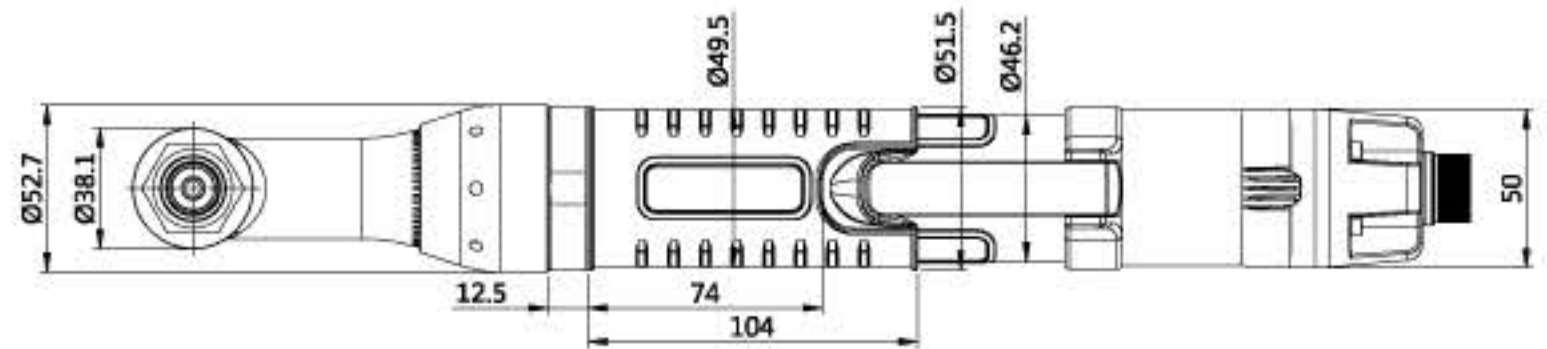
SGT-LCS503/505/507

SGT-LCS712/718

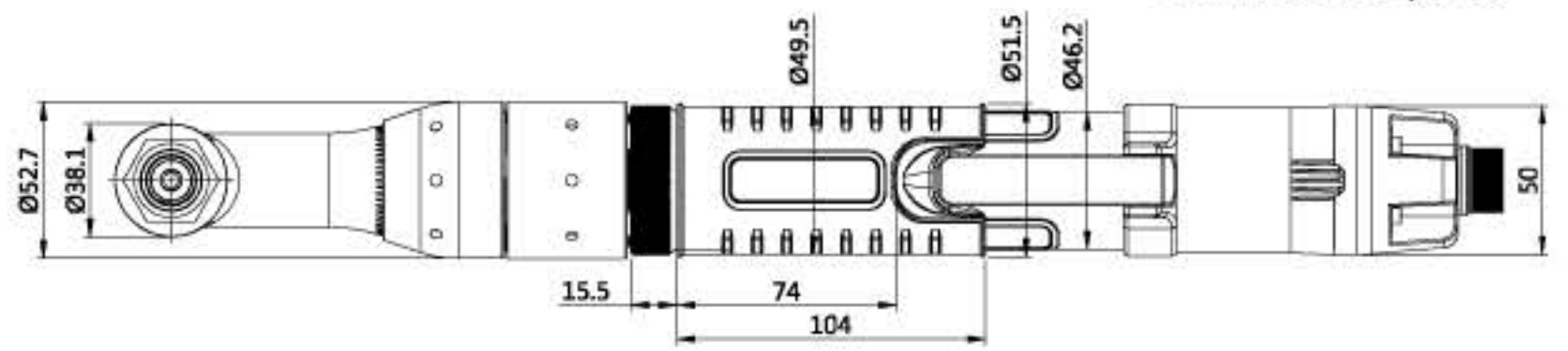
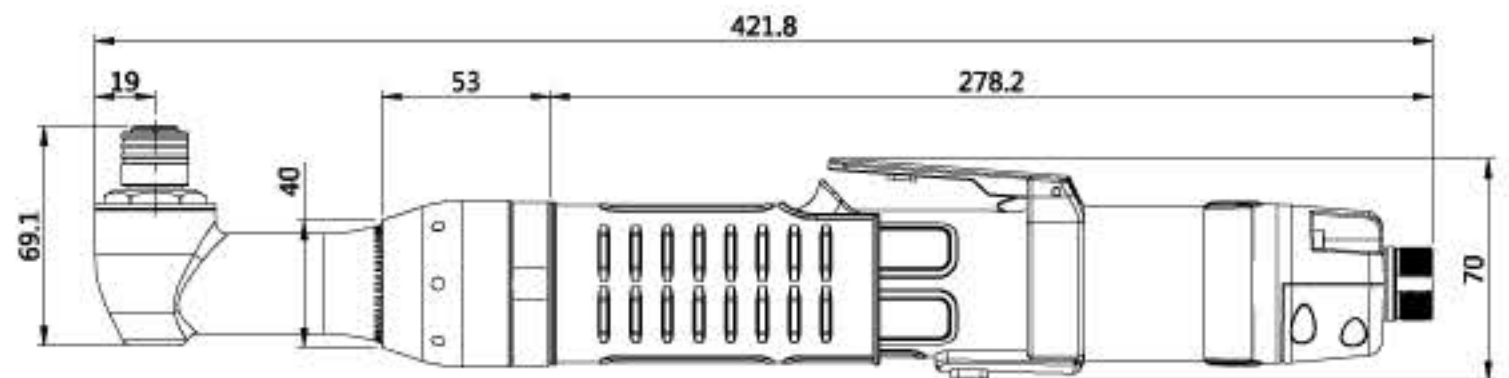
SGT-LCS725



SGT-LCS503/505/507



SGT-LCS712/718

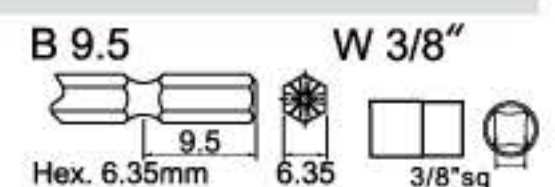


SGT-LCS725  
Unit: mm

## Specifications

Model	SGT-LCS503	SGT-LCS505	SGT-LCS507	SGT-LCS712	SGT-LCS718	SGT-LCS725	
Input Voltage	DC40						
Torque	(N.m)	0.38 ~ 3	0.63 ~ 5	0.88 ~ 7	1.5~ 12	2.25 ~ 18	3.13~ 25
	(kgf.cm)	3.88 ~ 30.60	6.43 ~ 51.00	8.98~ 71.40	15.30 ~ 122.40	22.95 ~ 183.6	31.93 ~255
	(Lbf.in)	3.36 ~ 26.55	5.58 ~ 44.26	7.79 ~ 61.96	13.28~ 106.21	19.91~ 159.3	27.70 ~ 221.28
Repeatable Torque Accuracy	+/- 3sigma / AVG., 5%						
Free Speed(r.p.m)	1100~60	800~60	450~60	600~40	400~30	250~20	
Power Consumption	90W						
Weight(g)	1233	1233	1233	2300	2300	2930	
Length(mm)	356	356	356	422	422	468	
Power Controller	KL-GTCS						
Bit Type	B 9.5·W3/8"						

※CE、RoHS



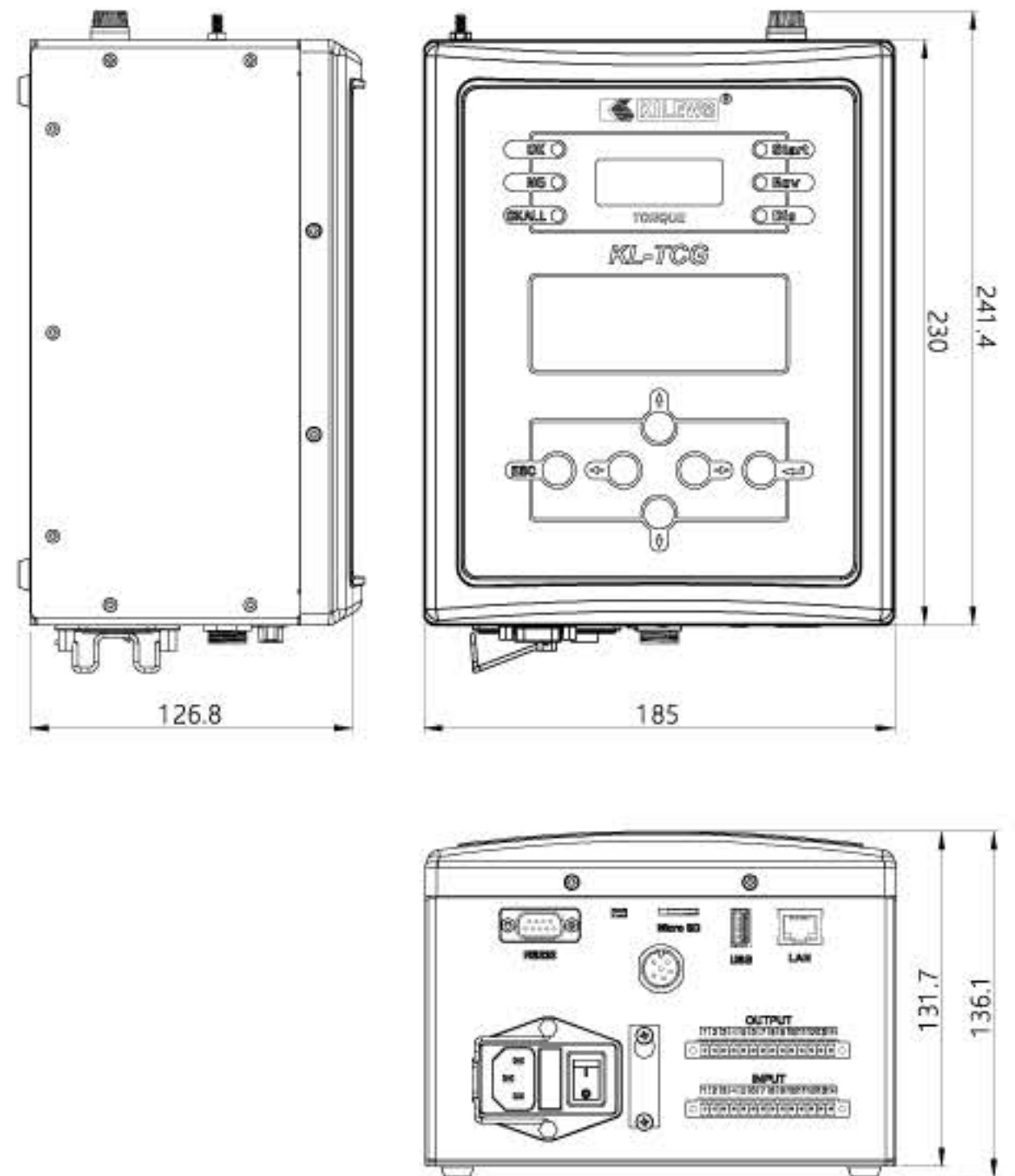
# INTELLIGENT HIGH PRECISION TORQUE TRANSDUCER SCREWDRIVER SERIES



KL-TCG Series



## External Dimension



Unit: mm

## Features

- High precision made in Germany torque transducer
- Start mode: Lever start / Push start / Lever + push start
- LED mode: On / Off / Turn on when start
- SD card slot for temporary data storage (Support 32GB and below)
- Save up to 250 sequences
- Use up to 5 steps per screw tightening
- Save up to 99 steps
- Use up to 50 sequences per job
- Save up to 50 jobs

TCG controller can monitor tightening status, parameter settings and data storage for traceability. Adopt made in Germany torque transducer allows SKT-CG series screwdriver to control tightening torque and RPM. Due to SKT-CG diverse functions, it can provide most ideal tightening strategy. Tightening goals (torque/thread) can be set by controller. Users may switch between multiple programs to achieve tightening various tasks. Built-in ethernet module, no need to purchase external ethernet module. Data can be saved in SD card to avoid data missing due to internet down time.

## Specifications

Model	KL-TCG	KL-TCG-L
Input Voltage	AC 115 / 230V 50-60Hz	
Output Voltage	DC 40V	
Count	1~99	
Count method	Count-up/Count-down	
Detection torque value	According to the screwdriver specifications	
Detection screw thread number	0.0~999.9	
External connection input	Start / Reverse / Disable / Confirm / Cleared / Gate / Sequence	
External connection output	OK/NG/OK ALL/Start/Reverse	
Serial interface	RS-232 , Micro SD , LAN	
Assembly management	KL-DAS / KL-AMS	
External dimensions	241 x 185 x 127 (mm)	
Weight(Kg)	3.4 Kg	
Applicable Models	SKT-CGS Series SKT-CG30/50/70 SKT-LCG30/50/70	SKT-CG120/180/250 SKT-LCG120/180/250 SKT-CGT Series

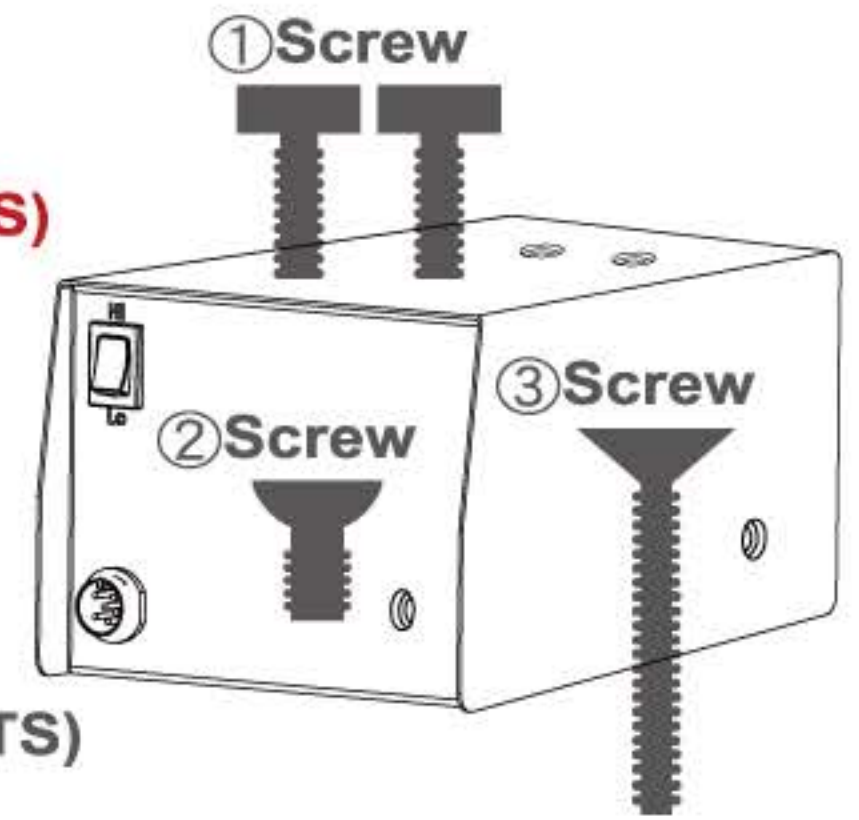
### Step 1 Tightening Step(TS)

Setup tightening step (TS) with various parameters

★ Save up to 250 pre-programmed tightening steps (TS)

Tightening step parameters as below

RPM Torque Number of turns Forward Reverse



### Step 2 Tightening Program(TP)

Each program (TP) can use up to 5 tightening steps (TS)

★ Set up to 99 programs (TP)

① Screw (TP5)	First (TS3)	RPM + Torque or Number of turns + Forward
	Second (TS8)	RPM + Torque or Number of turns + Reverse
	Third (TS4)	RPM + Torque or Number of turns + Forward
② Screw (TP8)	First (TS33)	RPM + Torque or Number of turns + Forward
	Second (TS26)	RPM + Torque or Number of turns + Reverse
	Third (TS5)	RPM + Torque or Number of turns + Reverse
	Fourth (TS1)	RPM + Torque or Number of turns + Forward
③ Screw (TP4)	First (TS10)	RPM + Torque or Number of turns + Forward
	Second (TS28)	RPM + Torque or Number of turns + Reverse
	Third (TS22)	RPM + Torque or Number of turns + Forward
	Fourth (TS14)	RPM + Torque or Number of turns + Reverse
	Fifth (TS6)	RPM + Torque or Number of turns + Forward
(TP99)		

### Settings Tightening Program(TP) + Tighten Repeat (TR)

#### → Sequence(SEQ)

★ Set up to 99 tightening repeat (TR)

★ Use up to 50 sequences (SEQ) in 1 job

① Screw(TP5) + (TR)x2	→ (SEQ1)	} (JOB)
② Screw(TP8) + (TR)x1	→ (SEQ2)	
③ Screw(TP4) + (TR)x1	→ (SEQ3)	



Barcode reader



(JOB)

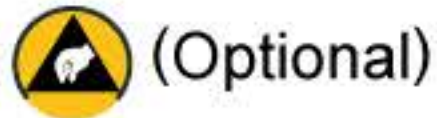
★ Save up to 50 jobs



# INTELLIGENT HIGH PRECISION TORQUE TRANSDUCER SCREWDRIVER SERIES



## SKT-CGS Series



M 32\*P1.0  
LH (Reverse Thread)



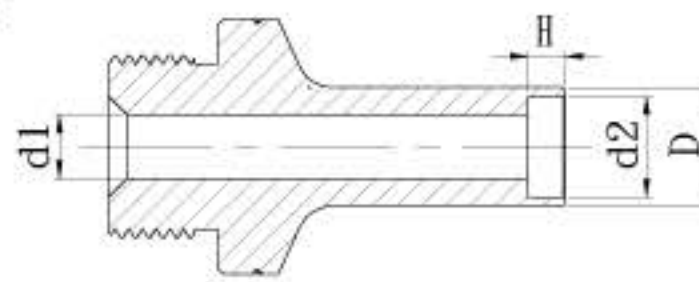
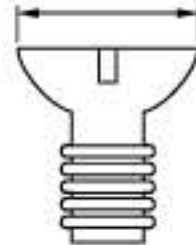
SKT-CGS

SKT-CGS10 + KS-TM-TCGS310  
SKT-CGS24F/30 + KS-TM-TCGS330

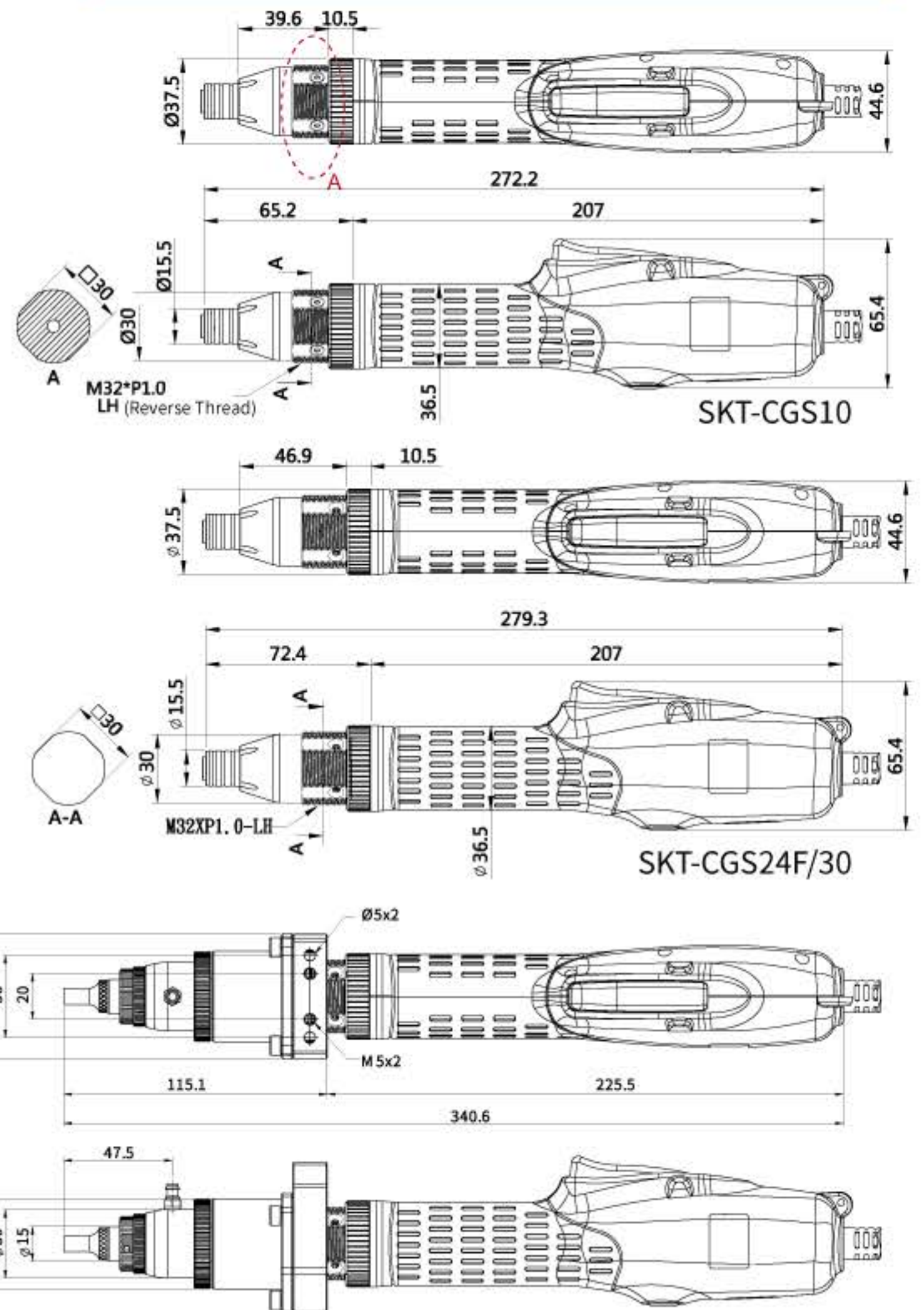
PART NO	d1	d2	D	H
P11032-15	3.5	5.5	6.5	2
P11032-17	4.5	6.5	7.5	2
P11032-18	5.5	7.5	8.5	2

※d1<Screw Head Dia<d2

Screw Head Dia



### External Dimension

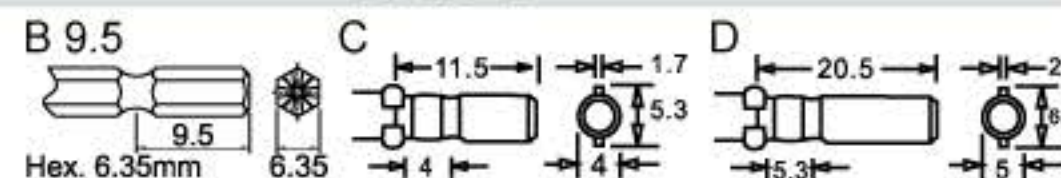


SKT-CGS + KS-TM-TCGS  
Unit: mm

### Specifications

Model	SKT-CGS10	SKT-CGS24F	SKT-CGS30
Input Voltage		DC40V	
Torque	(N.m)	0.1~1	0.4~2.4
	(kgf.cm)	1.02~10.2	4.08~24.48
	(Lbf.in)	0.88~8.85	3.54~21.24
Repeatability Torque Accuracy(%)		+/- 3sigma / AVG., 7.5%	
Free Speed (r.p.m)	980~100	2000~140	980~100
Power Consumption		90W	
Weight(g)		680	
Length(mm)		280	
Power Controller		KL-TCG	
Bit Type	B 9.5·C·D	B 9.5·D	

※CE(SK-TM-TCGS24F NO CE) · RoHS



### Accessories

Screwdriver Holder  
KH-2



Screwdriver Holder  
KH-2L



# INTELLIGENT HIGH PRECISION TORQUE TRANSDUCER SCREWDRIVER SERIES



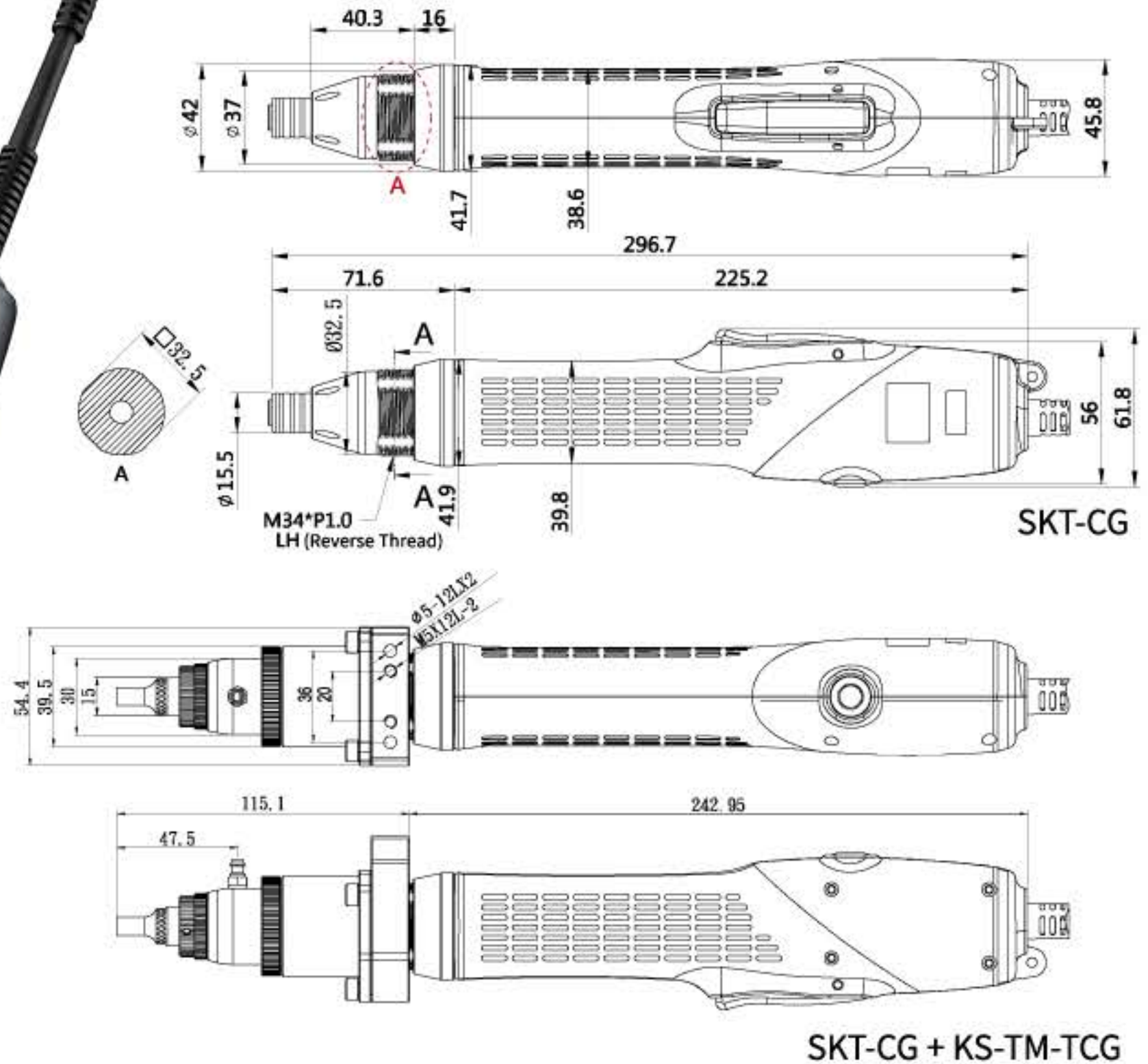
SKT-CG Series



SKT-CG

SKT-CG + KS-TM-TCG550

## External Dimension

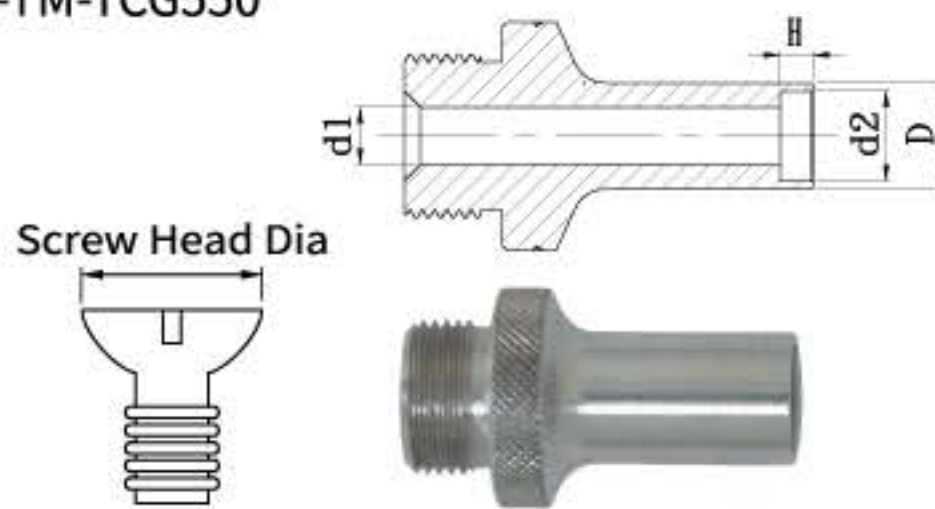


SKT-CG

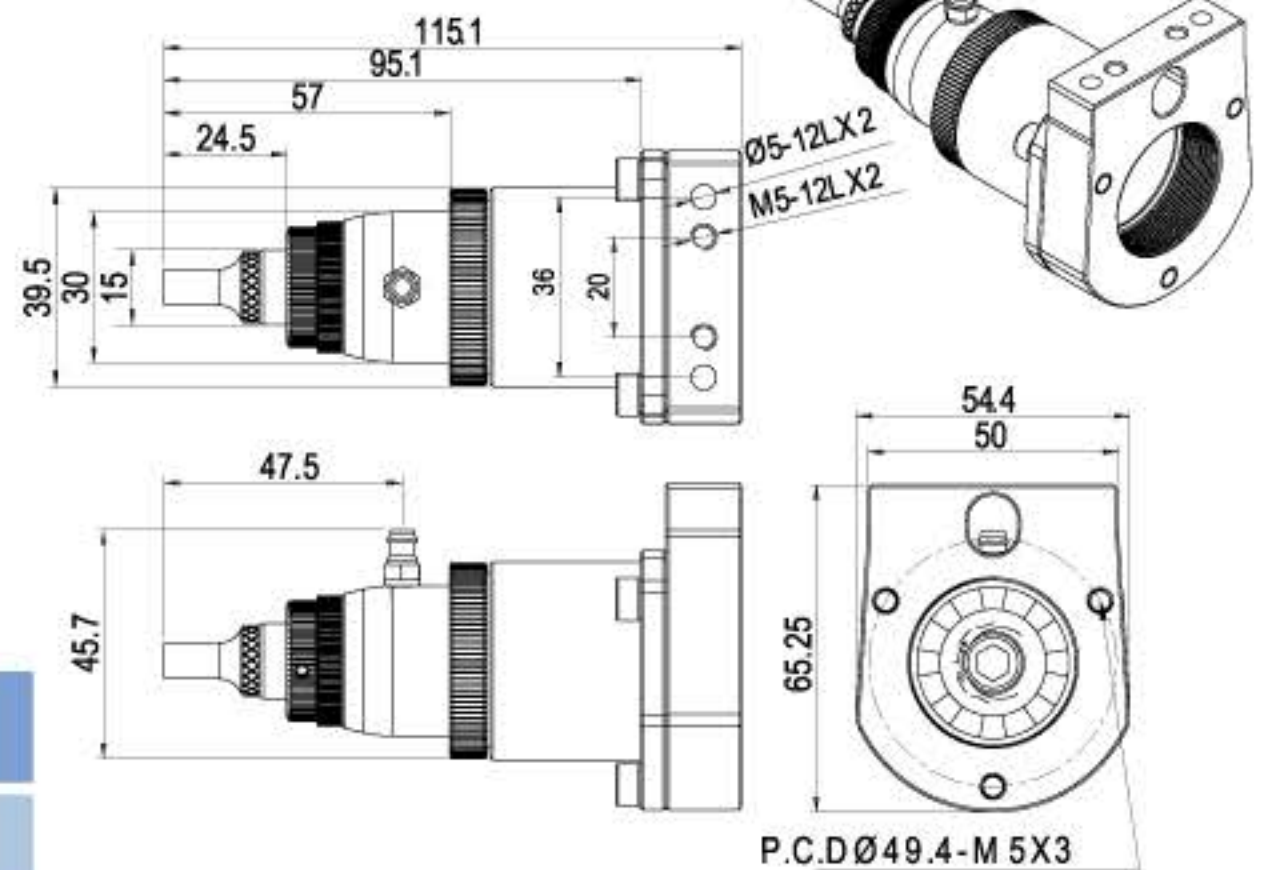
SKT-CG + KS-TM-TCG

PART NO	d1	d2	D	H
P11032-15	3.5	5.5	6.5	2
P11032-17	4.5	6.5	7.5	2
P11032-18	5.5	7.5	8.5	2

※d1<Screw Head Dia<d2



Screw Head Dia



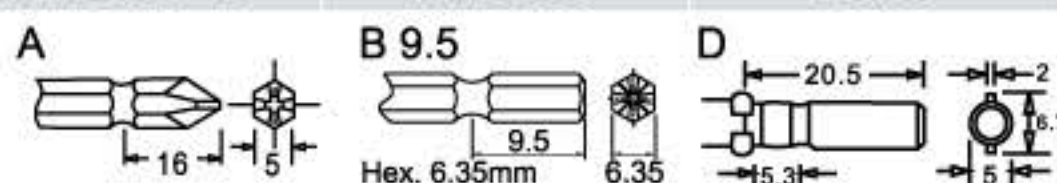
P.C.DØ49.4-M 5X3

Unit: mm

## Specifications

Model	SKT-CG30	SKT-CG50	SKT-CG70	
Input Voltage	DC40V			
Torque	(N.m)	0.6~3	1~5	1.4~7
	(kgf.cm)	6.11~30.59	10.2~51.00	14.27~71.39
	(Lbf.in)	5.31~26.55	8.85~44.25	12.39~61.96
Repeatable Torque Accuracy(%)	+/- 3sigma / AVG., 7.5%			
Free Speed(r.p.m)	1600~160	1100~110	660~70	
Power Consumption	90W			
Weight(g)	830			
Length(mm)	297			
Power Controller	KL-TCG			
Bit Type	A、B 9.5、D	A、B 9.5	B 9.5	

※CE、RoHS



## Accessories



# INTELLIGENT HIGH PRECISION TORQUE TRANSDUCER SCREWDRIVER SERIES

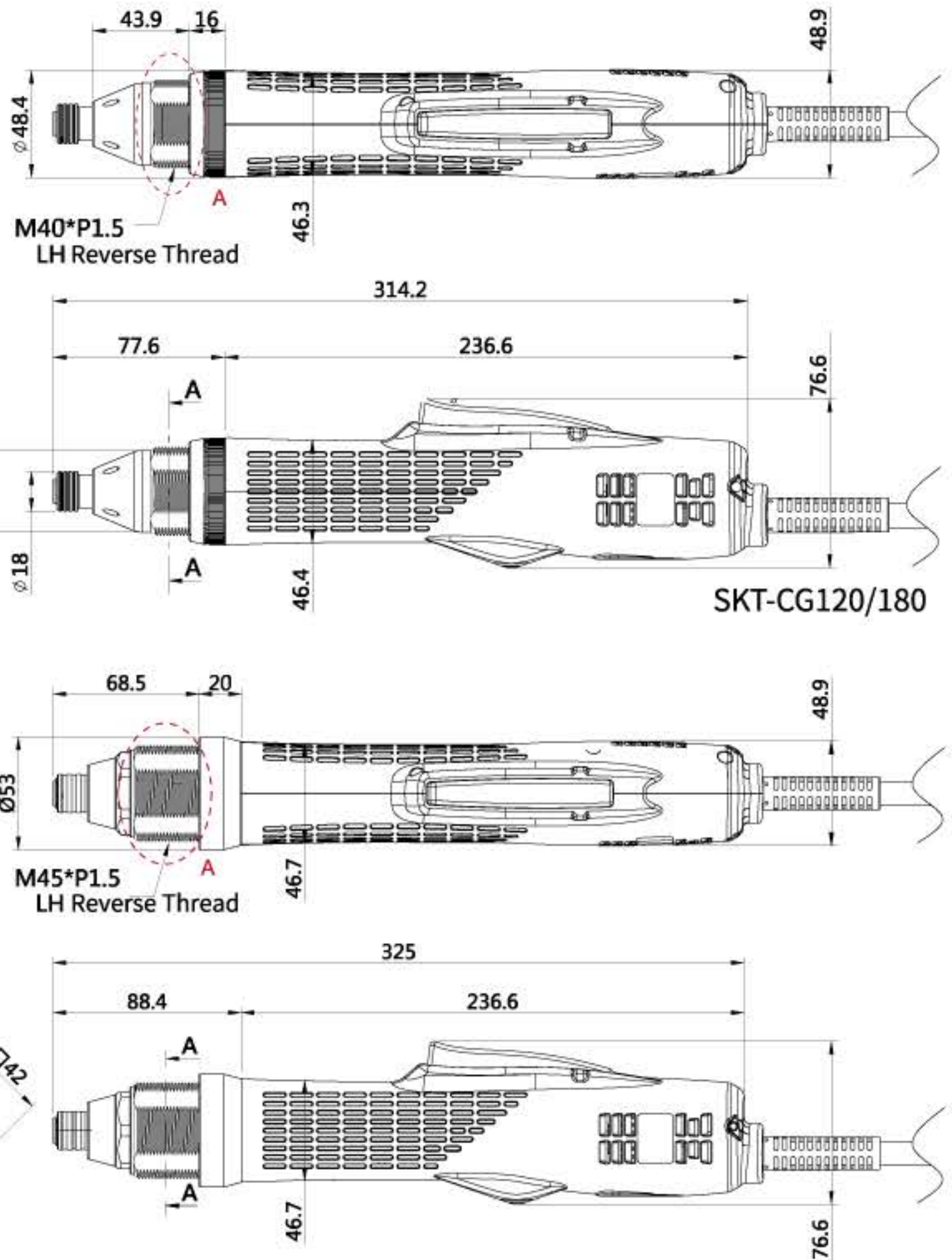


## SKT-CG Series

(Optional)



### External Dimension



SKT-CG250  
Unit: mm

### Specifications

Model	SKT-CG120	SKT-CG180	SKT-CG250	
Input Voltage	DC40V			
Torque	(N.m)	2.4~12	3.6~18	5~25
	(kgf.cm)	24.5~122.4	36.7~183.6	51~254.9
	(Lbf.in)	21.2~106.2	31.9~159.3	44.2~221.2
Repeatable Torque Accuracy(%)	+/- 3sigma / AVG., 7.5%			
Free Speed(r.p.m)	1000~100	600~60	400~40	
Power Consumption	90W			
Weight(g)	1130		1790	
Length(mm)	314		325	
Power Controller	KL-TCG-L			
Bit Type	B 9.5 · W3/8"			

※CE、RoHS



### Accessories

Screwdriver Holder  
KH-2L  
(Not included  
SKT-CG250)



Screwdriver Holder  
KH-7  
(Not included  
SKT-CG250)



Pistol Grip  
LG-16S  
(Not included  
SKT-CG250)



# INTELLIGENT HIGH PRECISION TORQUE TRANSDUCER SCREWDRIVER SERIES



SKT-LCG Series

(Optional)

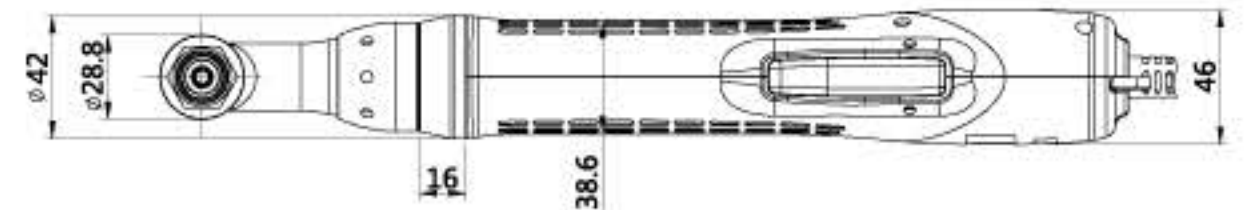


SKT-LCG30/50/70

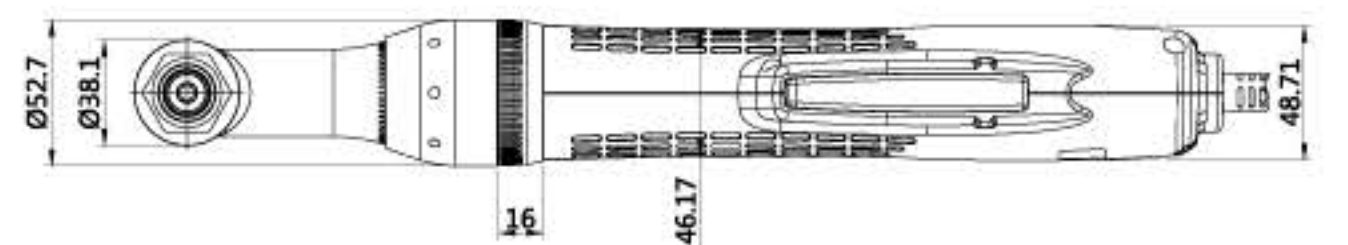
SKT-LCG120/180

SKT-LCG250

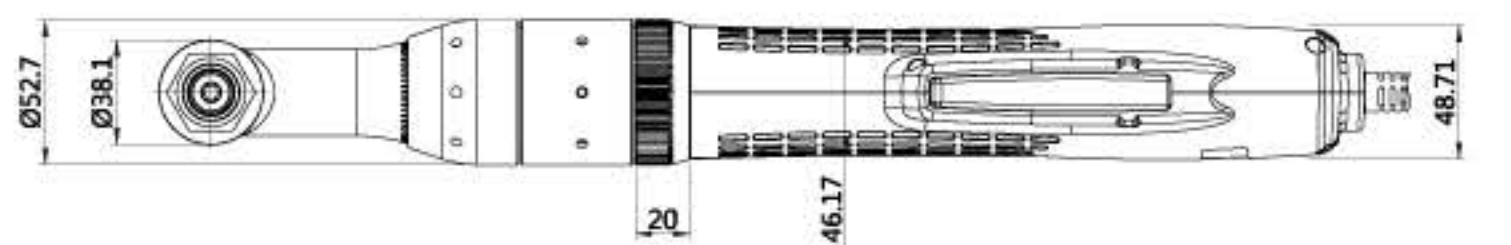
## External Dimension



SKT-LCG30/50/70



SKT-LCG120/180



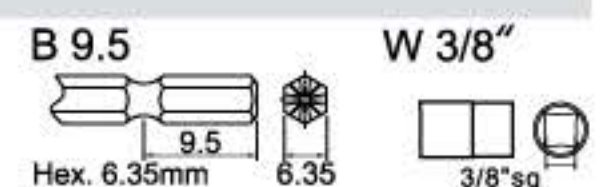
SKT-LCG250

Unit: mm

## Specifications

Model	SKT-LCG30	SKT-LCG50	SKT-LCG70	SKT-LCG120	SKT-LCG180	SKT-LCG250	
Input Voltage	DC40V						
Torque	(N.m)	0.6~3	1~5	1.4~7	2.4~12	3.6~18	5~25
	(kgf.cm)	6.11~30.59	10.2~51.00	14.27~71.39	24.5~122.4	36.7~183.6	51~254.9
	(Lbf.in)	5.31~26.55	8.85~44.25	12.39~61.96	21.2~106.2	31.9~159.3	44.25~221.2
Repeatable Torque Accuracy(%)	+/- 3sigma / AVG., 7.5%						
Free Speed(r.p.m)	1100~120	800~80	450~50	750~80	470~40	300~30	
Power Consumption	90W			90W			
Weight(g)	1150			2230		2810	
Length(mm)	330			393		439	
Power Controller	KL-TCG			KL-TCG-L			
Bit Type	B 9.5·W3/8"						


※CE · RoHS

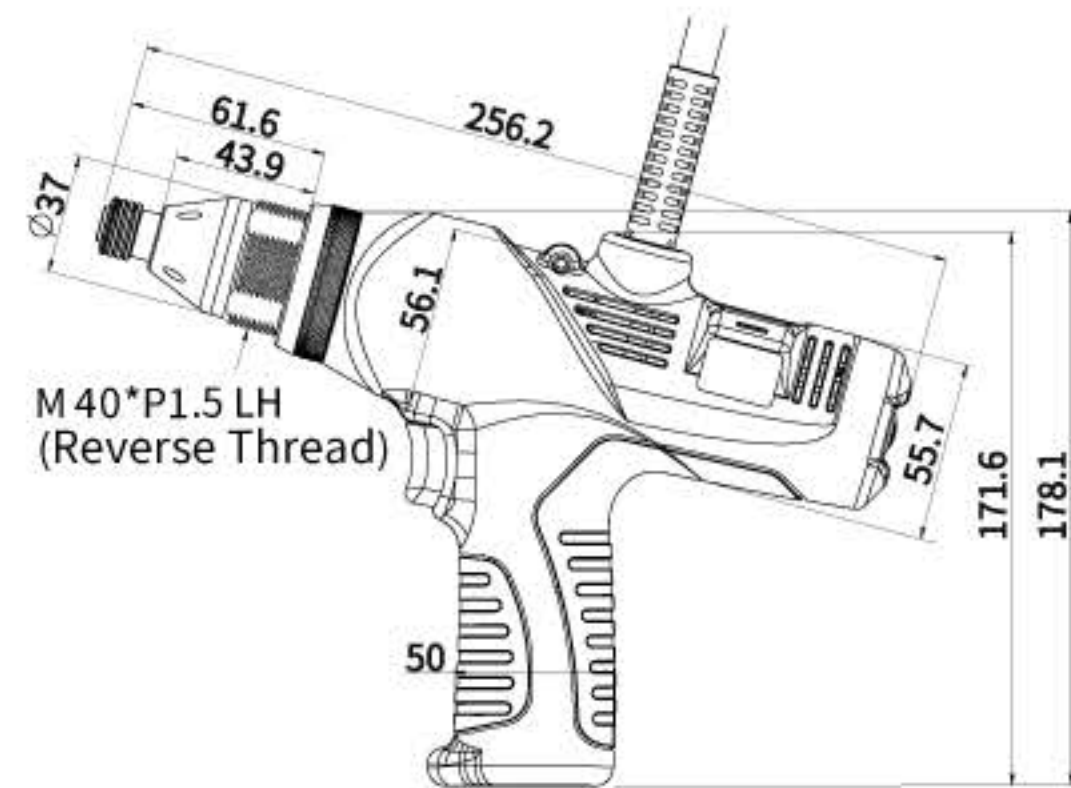
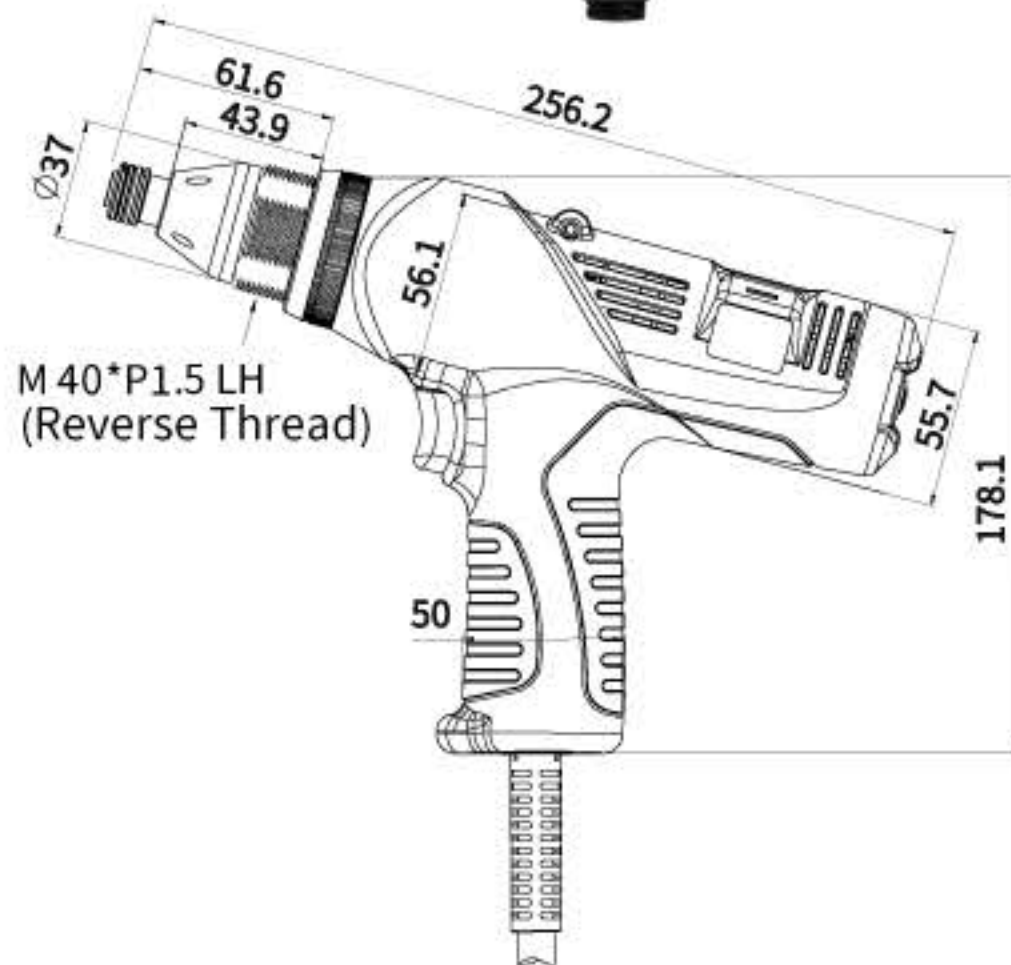


# INTELLIGENT HIGH PRECISION TORQUE TRANSDUCER SCREWDRIVER SERIES



SKT-CGT Series

 (Optional)



SKT-CG50FT-D  
SKT-CG90T-D  
SKT-CG120T-D

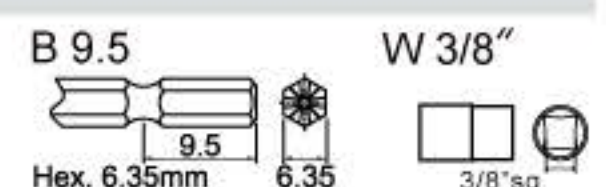
SKT-CG50FT-U  
SKT-CG90T-U  
SKT-CG120T-U

Unit: mm

## Specifications

Model	SKT-CG50FT	SKT-CG90T	SKT-CG120T
Input Voltage		DC40V	
Torque	(N.m)	1~5	1.8~9
	(kgf.cm)	10.2~51.00	18.36~91.8
	(Lbf.in)	8.85~44.25	15.93~79.64
Repeatable Torque Accuracy(%)		+/- 3sigma / AVG., 7.5%	
Free Speed (r.p.m)	2600~250	1200~120	1000~100
Power Consumption		90W	
Weight(g)		1385	
Length(mm)		256X178	
Power Controller		KL-TCG-L	
Bit Type		B 9.5-W3/8"	

※CE、RoHS



# CURRENT CONTROLLED ELECTRIC SCREWDRIVER SERIES

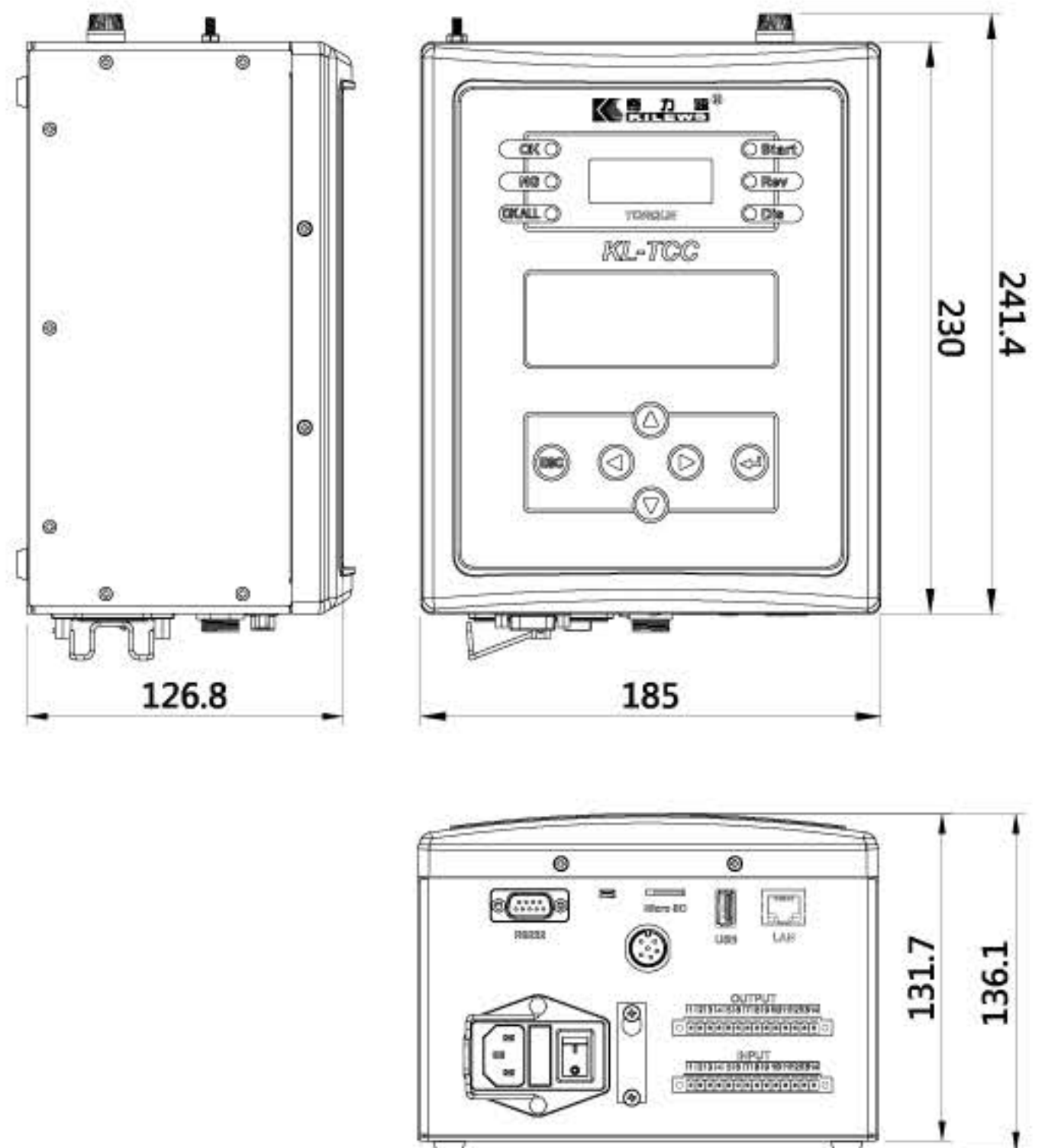


## KL-TCC Series



KILEWS current control tightening system offers high torque accuracy and repeatability. It allows users to fully control and monitor the entire screw rundown process. Many costly tightening errors such as floating screw, stripped screw, over torquing...etc. can be eliminated. Users can adjust current level to achieve tightening goals with consistent tightening results. Parameters are saved in controller and can be adjusted to optimize tightening process for all kinds of joints. It's compact light weight design makes it easy for long time operation.

### External Dimension



Unit: mm

### Specifications

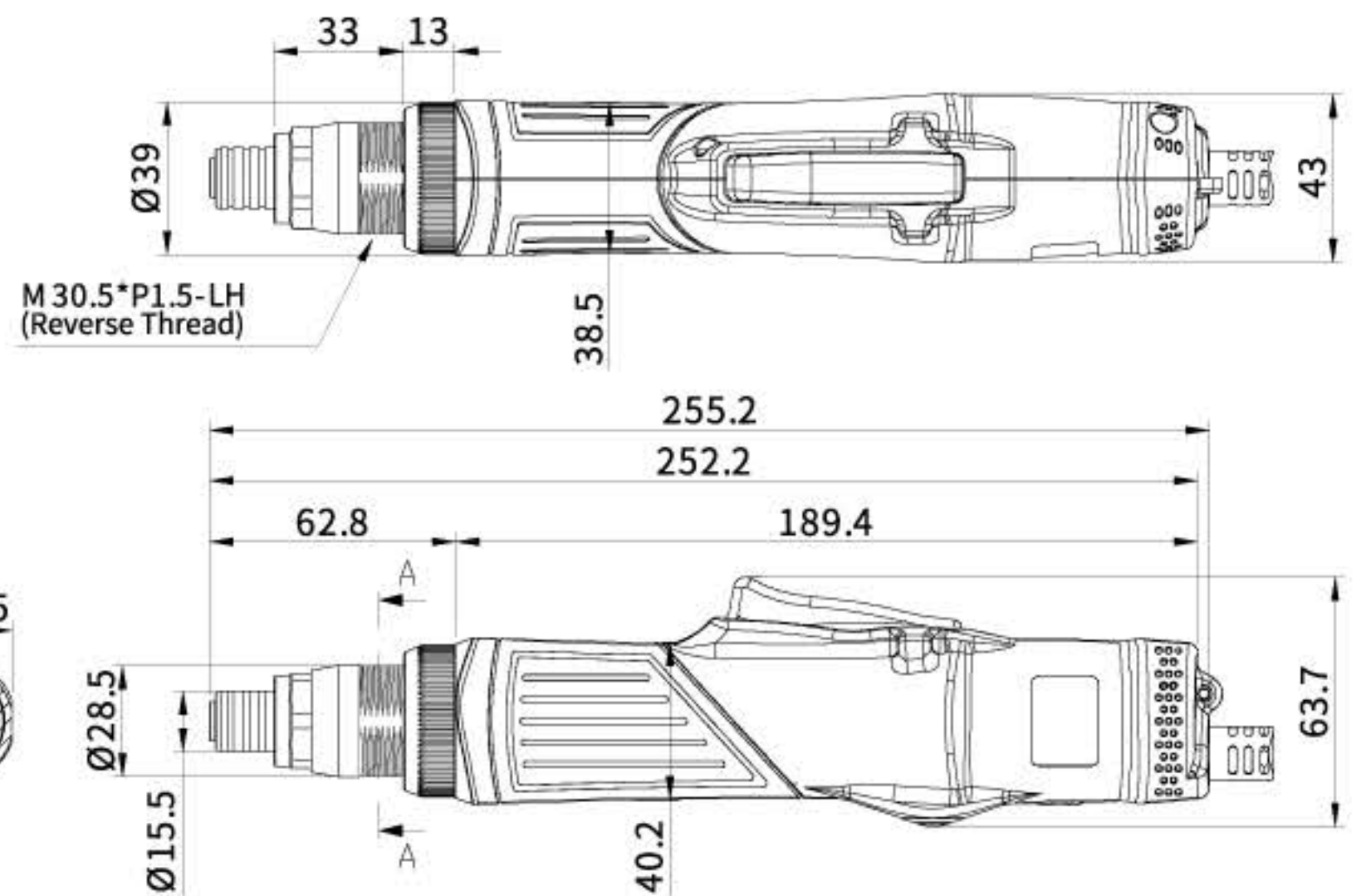
Model	KL-TCC
Input Voltage	AC 115V / 230V
Input Frequency	50 - 60Hz
Input Current	6.3A
Output Voltage	DC 40V
Output Current	Max 9A
power consumption	360W
External dimensions	241 x 185 x 127(mm)
Weight	3.46Kg
Applicable Model	SGT-CC Series

# CURRENT CONTROLLED ELECTRIC SCREWDRIVER SERIES

SGT-CC Series



## External Dimension



Unit: mm

## Accessories

Screwdriver Holder KH-2L



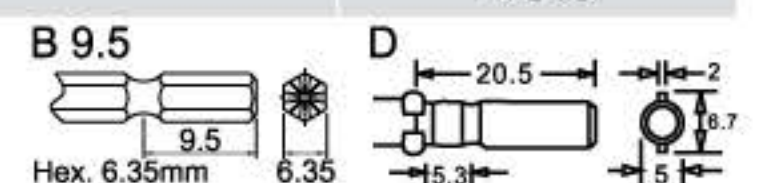
Screwdriver Holder KH-6



## Specifications

Model	SGT-CC612	SGT-CC620	SGT-CC625	SGT-CC630F	SGT-CC650	SGT-CC670	
Input Voltage	DC40V						
Torque	(N.m)	0.3~1.2	0.6~2	0.5~2.5	1~3	1.5~5	2~7
	(kgf.cm)	3.06~12.24	6.12~20.40	5.1~25.5	10.2~30.60	15.30~51.00	20.40~71.40
	(Lbf.in)	2.66~10.62	5.31~17.70	4.43~22.13	8.85~26.55	13.28~44.25	17.70~61.96
Repeatable Torque Accuracy(%)	±5%						
Free Speed (r.p.m)	1000~100	1000~100	1000~100	1700~200	1000~100	800~100	
Power Consumption	90W						
Weight(g)	743						
Length(mm)	255						
Power Controller	KL-TCC						
Bit Type	B 9.5、D					B 9.5	

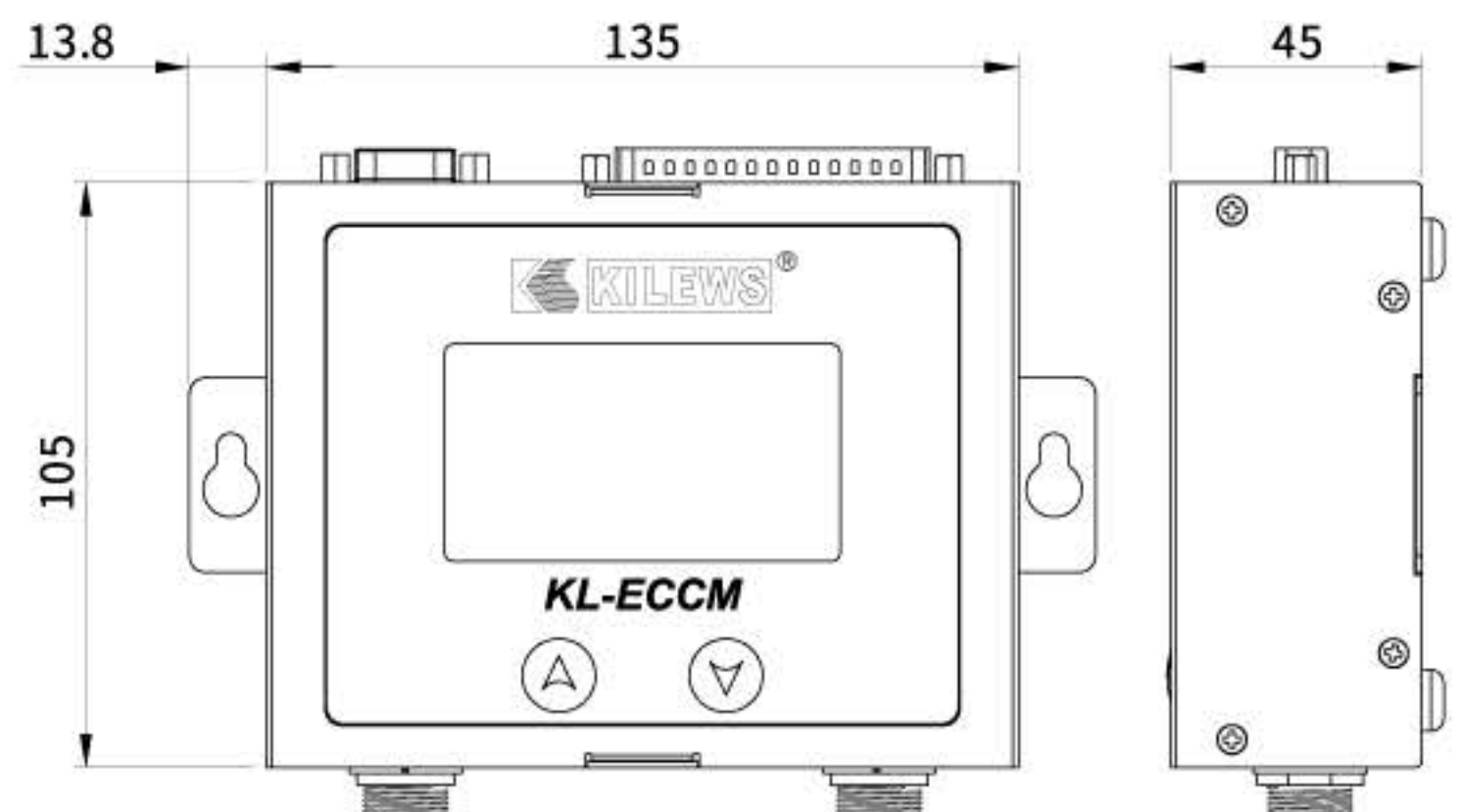
※CE(SGT-CC625、SGT-CC630F NO CE)、RoHS





KILEWS current control tightening system offers high torque accuracy and repeatability. It allows users to fully control and monitor the entire screw rundown process. Many costly tightening errors such as floating screw, stripped screw, over torquing...etc. can be eliminated. Users can adjust current level to achieve tightening goals with consistent tightening results. Parameters are saved in controller and can be adjusted to optimize tightening process for all kinds of joints. It's compact light weight design makes it easy for long time operation.

### External Dimension



Unit: mm

### Specifications

Model	<b>KL-ECCM</b>
Input Voltage	DC 40V
Output Voltage	DC 40V
External connection input	Start /Reverse /Disable/Confirm
External connection output	Start /Reverse/OK/NG
External dimensions	135 x 105x 45 (mm)
Weight	620g

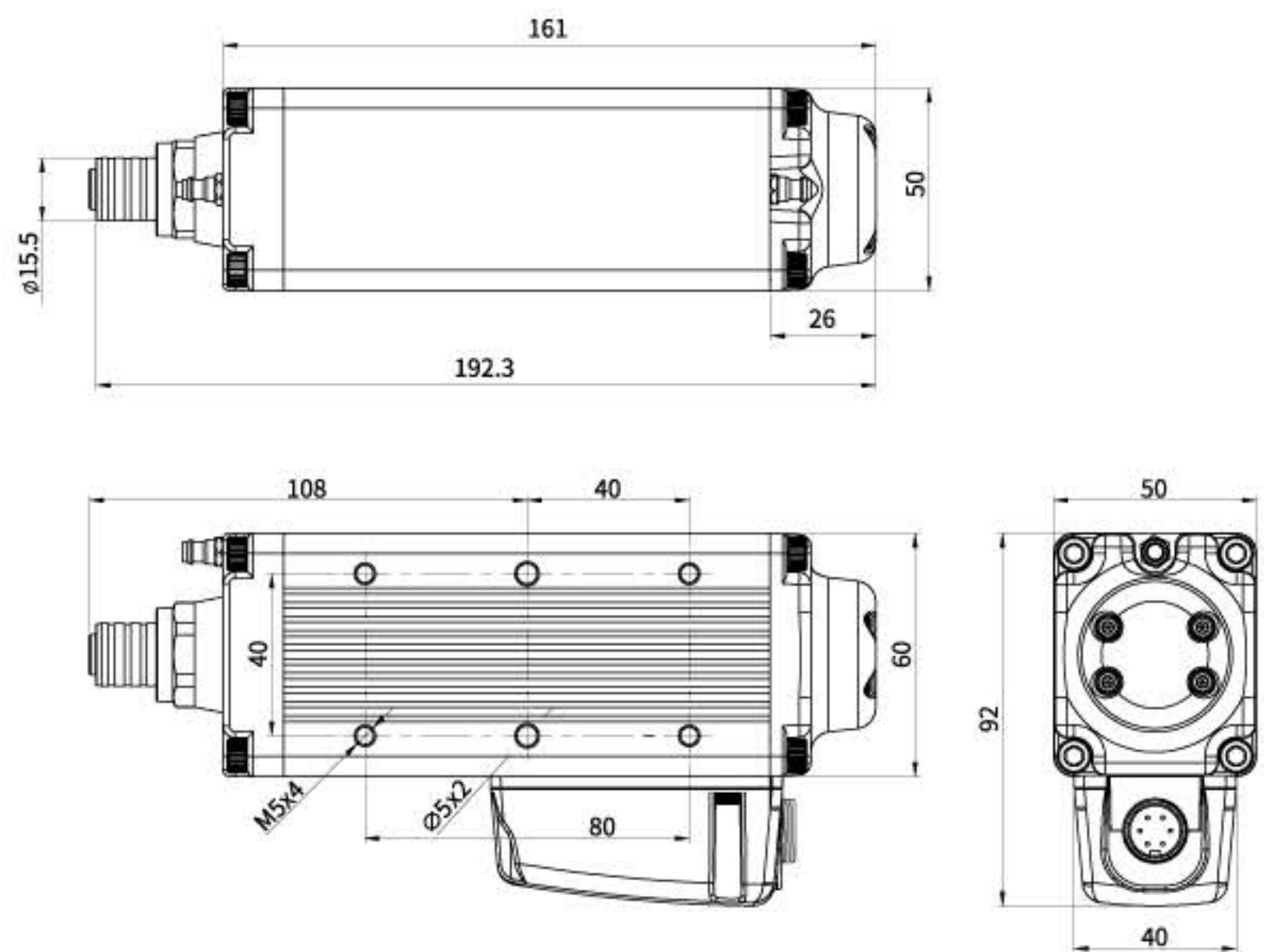


# CURRENT CONTROLLED ELECTRIC SCREWDRIVER SERIES

SGT-CCM Series



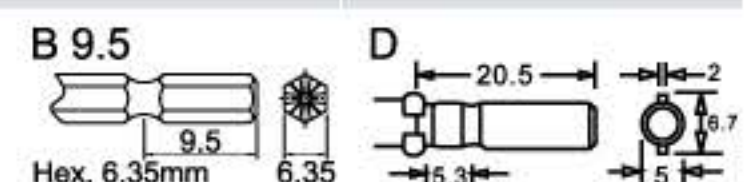
## External Dimension



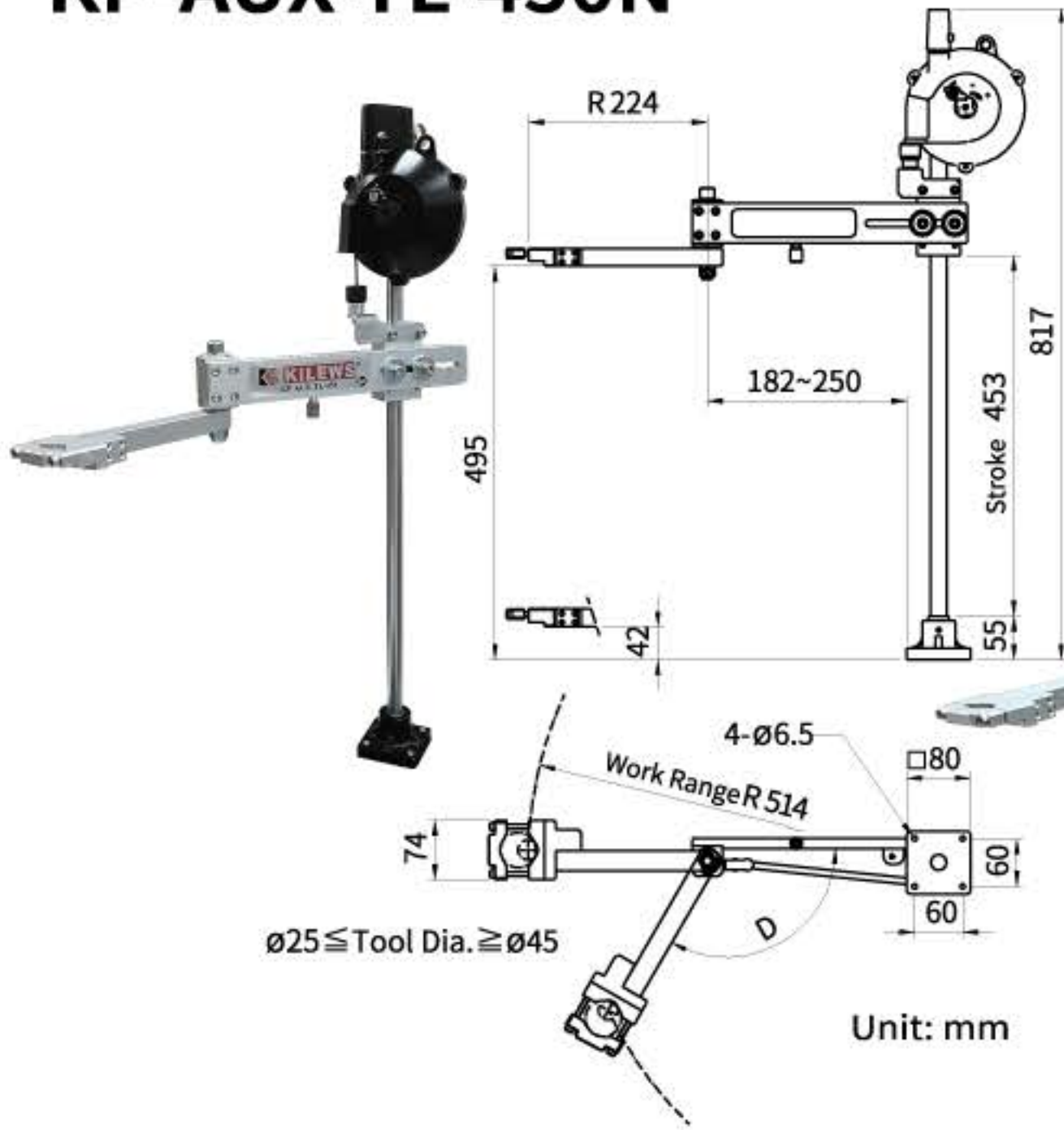
Unit: mm

## Specifications

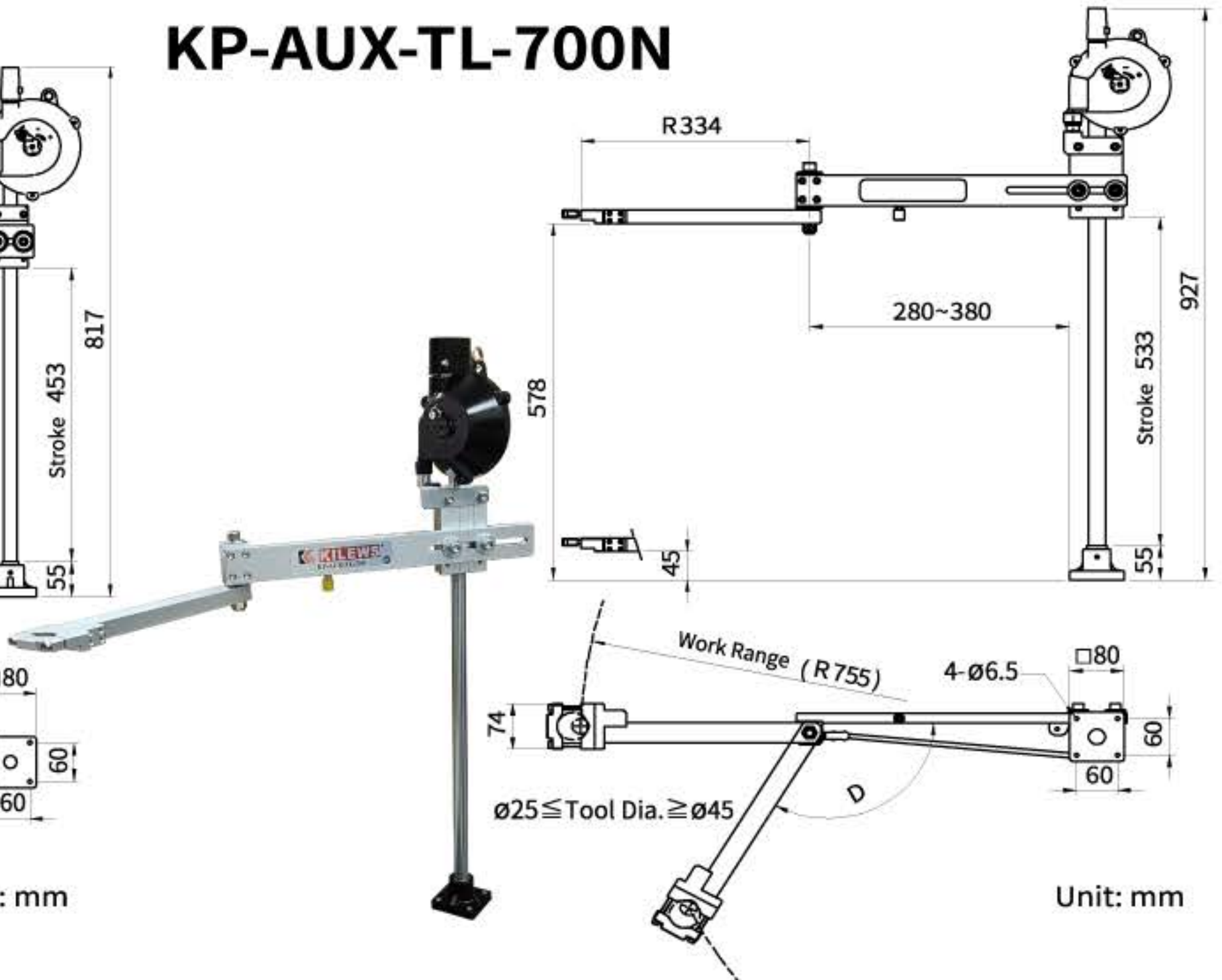
Model	SGT-CCM512	SGT-CCM520	SGT-CCM525	SGT-CCM530F	SGT-CCM550	SGT-CCM570	
Input Voltage	DC40V						
Torque	(N.m)	0.3~1.2	0.6~2	0.5~2.5	1~3	1.5~5	2~7
	(kgf.cm)	3.06~12.24	6.12~20.40	5.1~25.5	10.2~30.60	15.30~51.00	20.40~71.40
	(Lbf.in)	2.66~10.62	5.31~17.70	4.43~22.13	8.85~26.55	13.28~44.25	17.70~61.96
Repeatable Torque Accuracy(%)	±5%						
Free Speed (r.p.m)	1000~100	1000~100	1000~100	1700~200	1000~100	800~100	
Power Consumption	90W						
Weight(g)	1173						
Length(mm)	192X92X50						
Display Controller	KL-ECCM						
Power Controller	SKP-40B-800						
Bit Type	B 9.5-D					B 9.5	



**KP-AUX-TL-450N**

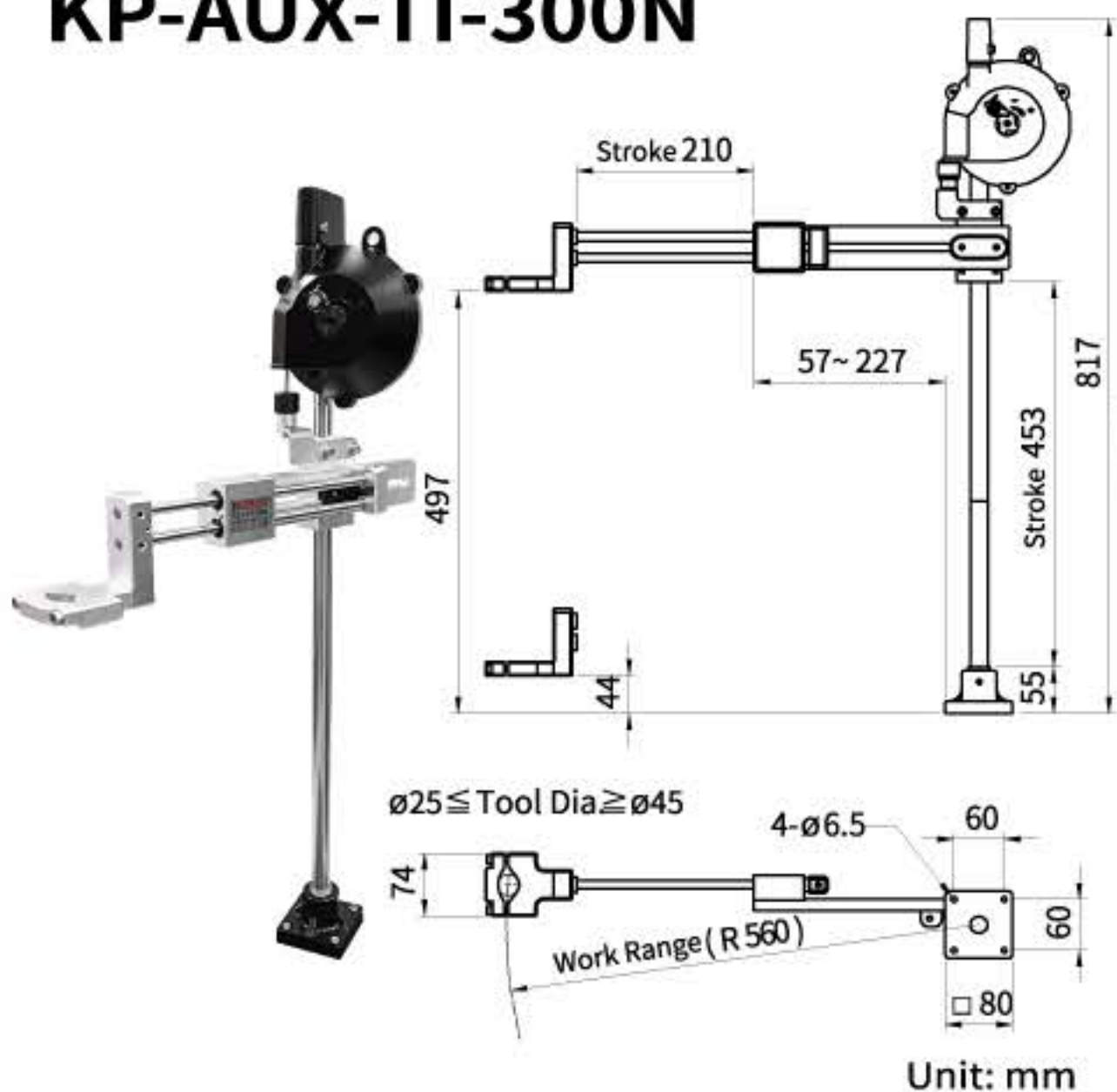


**KP-AUX-TL-700N**

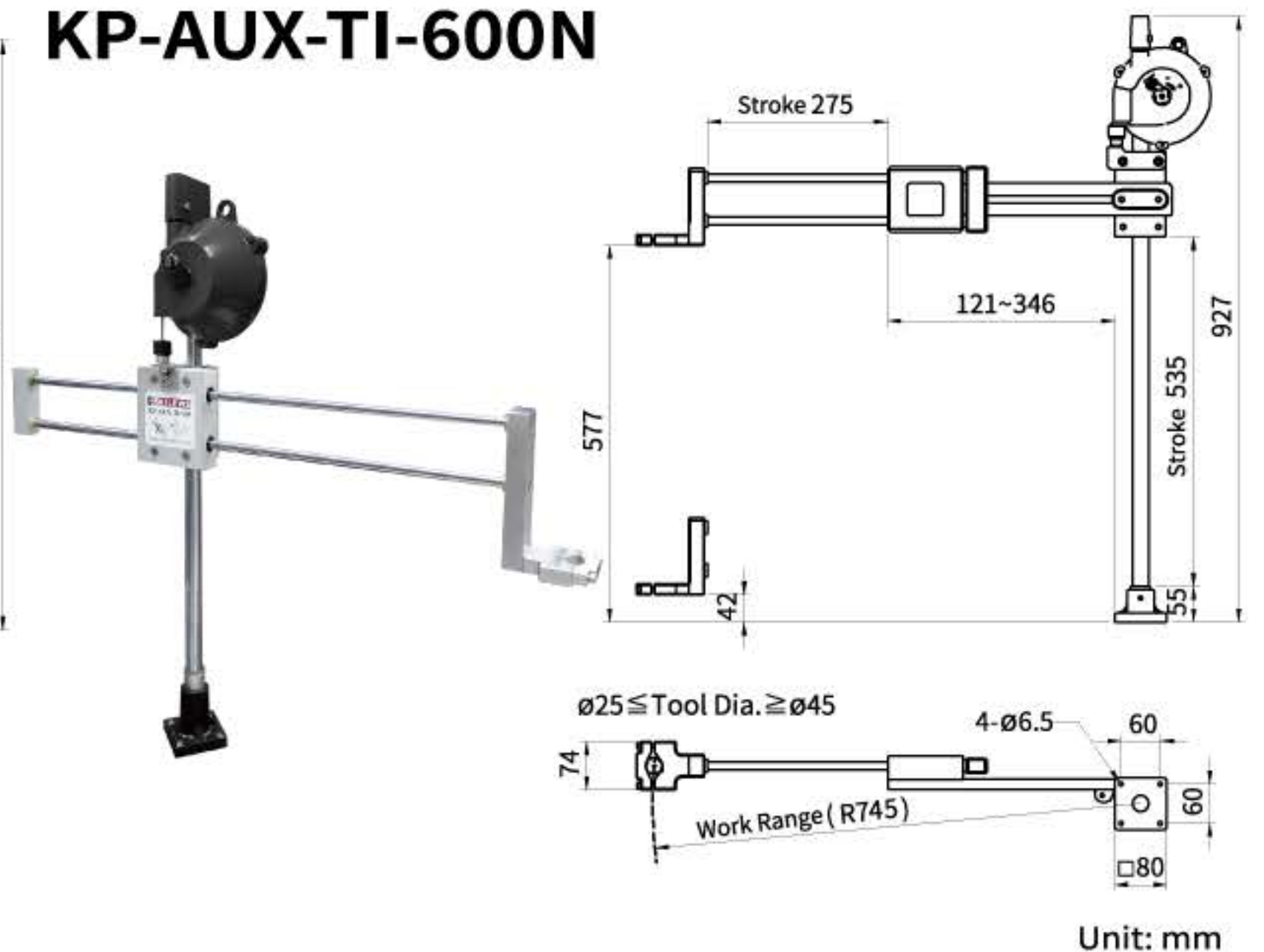


Model	KP-AUX-TL-450N	KP-AUX-TL-700N
Applicable Tool Weight	0.8~2.8kg	1.4~3.4kg
Max Working Area	514mm	755mm
Max Torque	150Kgf-cm	250Kgf-cm
Tool Dia.	25~45mm	25~45mm

**KP-AUX-TI-300N**



**KP-AUX-TI-600N**



Model	KP-AUX-TI-300N	KP-AUX-TI-600N
Applicable Tool Weight	0.8~2.8kg	0.4~2.4kg
Max Working Area	560mm	745mm
Max Torque	150Kgf-cm	250Kgf-cm
Tool Dia.	25~45mm	25~45mm



# INNOVATION FOR SCREWS FASTENING

The official website shall prevail when specifications and designs are subject to change in this content.

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