

ACCESSORIES

Spring Balancer



Accessories	Model	Applicable Models
Spring Balancer	KL-2000 (1.0-2.0kg)	All Series
	KL-1200 (0.6-1.5kg)	All Series
	KL-600 (0.3-0.6kg)	BSD-3000L Series

Torque Locker



Accessories	Model	Applicable Models
Torque Fixing Ring	KC-1(S)	BSD-9000L/P/LF/PF Series
	KC-2(S)	BSD-8000L/P/LF/PF Series TKS-2500LS/LSF
	KC-3(S)	TKS-3500LS, TKS-4500LS
	KC-4C(S)	BSD-3000L Series
	KC-6C(S)	BSD-6000L/P/LF/PF Series

Pistol Grip



Accessories	Model	Applicable Models
Pistol Grip	PG-1	BSD-9000P/PF Series
	LG-2	BSD-9000L/LF Series

Torque Adjuster



Accessories	Model	Applicable Models
Torque Adjuster	KW-1	BSD-8000L/P/LF/PF Series BSD-9000L/P/LF/PF Series TKS-2500LS/LSF TKS-3500LS, TKS-4500LS
	KW-3	BSD-6000L/P/LF/PF Series
	KW-4	BSD-3000L Series

Angle Attachment



Accessories	Model	Applicable Models
Angle Attachment	KL-1	BSD-8000L Series BSD-9000L Series
	KL-2	BSD-6000L Series

Auxiliary Arm



Accessories	Model	Applicable Models
Auxiliary Arm	KP-AUX1T	BSD-9000L/P/LF/PF Series

Screwdriver Holder



Accessories	Model	Applicable Models
Suspension Rack	KH-1 (With KC)	BSD-8000L/P/LF/PF Series BSD-9000L/P/LF/PF Series TKS-2500LS/LSF TKS-3500LS, TKS-4500LS
	KH-2 (With KC)	BSD-6000L/P/LF/PF Series
	KH-2 (Without KC)	BSD-8000L/P/LF/PF Series
	KH-3 (With KC)	BSD-3000L Series
	KH-3 (Without KC)	TKS-2500LS/LSF TKS-3500LS, TKS-4500LS BSD-9000L/P/LF/PF Series
	KH-4 (Without KC)	TKS-1300LS, TKS-1500LS BSD-3000L Series BSD-6000L/P/LF/PF Series

BSD Electric Screwdrivers

Economic & User Friendly Industrial Screwdriver For Production Line.



Series	Model	Input Voltage	Torque (N.m)	Power Consumption	Speed (r.p.m)	Screw Size (mm)	Starting Method	Power Controller	Bit Type	ESD	RoHS
AC-TYPE NON SHUT OFF SCREWDRIVER	TKS-1300LS	AC 220~240V	0.05-0.69	48W	1000	1.4~2.6	TRIGGER START		B,C,D		✓
	TKS-1500LS		0.19-1.47	48W	1000	2.0~4.0				✓	
	TKS-2500LS		0.49-2.45	50W	1000	2.6~4.0				✓	
	TKS-2500LSF		0.49-1.76	50W	2000	2.6~4.0				✓	
	TKS-3500LS		0.98-3.43	50W	700	3.0~5.0				✓	
TKS-4500LS	1.47-4.41	50W	500	4.0~6.0		✓					

Series	Model	Input Voltage	Torque (N.m)	Power Consumption	Speed (r.p.m)	Screw Size (mm)	Starting Method	Power Controller	Bit Type	ESD	RoHS
DC-TYPE NON SHUT OFF SCREWDRIVER ※(X)With Tool Box	BSD-101L	DC 36V	0.05-1.5	36W	1100	1.6-4.0	TRIGGER START	BSD-36P	D		✓
	BSD-101L(X)		0.05-1.5	36W	1100	1.6-4.0		B		✓	
	BSD-102L(X)		0.4-3.5	45W	1000	2.6~5.0		B		✓	
	BSD-102LF(X)	0.5-3.0	45W	2000	2.6~5.0				✓		
	BSD-1000L	DC 32V	0.05-0.69	48W	1000	1.4~2.6		BSD-36P-60WF	C,D		✓
	BSD-1200L		0.19-1.47	48W	1000	2.0~4.0				✓	

Series	Model	Input Voltage	Torque (N.m)	Power Consumption	Speed (r.p.m)	Screw Size (mm)	Starting Method	Power Controller	Bit Type	ESD	RoHS	
DC-TYPE SHUT OFF SCREWDRIVER ※(C)Only Use With BSP-C32HL Counter ※(V) Vacuum Type Screwdriver	BSD-(C)3000L	DC 24 or 32V	0.03-0.34	25W	1000/700	1.0-2.3	TRIGGER START	BSP-32HL-40W (BSP-C32HL)	B,C	✓	✓	
	BSD-(C)3200L	DC 24 or 32V	0.06-0.69	25W	1000/700	1.4-2.6				✓	✓	
	BSD-(C)3300L	DC 24 or 32V	0.1-0.98	25W	700/500	1.6-3.0				✓	✓	
	BSD-V3000L	DC 24 or 32V	0.03-0.34	25W	1000/700	1.0-2.3				✓	✓	
	BSD-V3200L	DC 24 or 32V	0.06-0.69	25W	1000/700	1.4-2.6			BSP-32HL-60W	C	✓	✓
	BSD-V3300L	DC 24 or 32V	0.1-0.98	25W	700/500	1.6-3.0				✓	✓	
	BSD-(C)6200L/P	DC 24 or 32V	0.1-1.18/0.19-1.18	48W	1000/700	1.6-3.0	TRIGGER/ PUSH START	BSP-32HL-60W (BSP-C32HL)	A,B	✓	✓	
	BSD-(C)6600L/P	DC 24 or 32V	0.29-1.57	48W	1000/700	2.3-3.5			C,D	✓	✓	
	BSD-(C)6600LF/PF	DC 32V	0.1-0.78/0.19-0.78	48W	2000	1.6-3.0				✓	✓	
	BSD-(C)8000L/P	DC 24 or 32V	0.49-1.76	50W	1000/700	2.0-3.5				✓	✓	
	BSD-(C)8200L/P	DC 24 or 32V	0.69-2.35	50W	750/520	2.6-4.0				✓	✓	
	BSD-(C)8800L/P	DC 24 or 32V	0.78-2.94	50W	530/350	3.0-5.0				✓	✓	
	BSD-(C)8800LF/PF	DC 32V	0.2-0.98	50W	2000	2.0-3.0	TRIGGER/ PUSH START	BSP-32HL	A,B	✓	✓	
	BSD-(C)9300L/P	DC 24 or 32V	0.59-2.16	55W	1000/700	2.6-4.0				✓	✓	
	BSD-(C)9300LF/PF	DC 32V	0.49-1.18	55W	2000	2.0-3.0				✓	✓	
	BSD-(C)9400L/P	DC 24 or 32V	0.98-2.94	55W	750/520	3.0-5.0				✓	✓	
	BSD-(C)9500L/P	DC 24 or 32V	1.47-4.41	55W	530/350	4.0-6.0				✓	✓	
	BSD-8820LF/PF	DC 32V	0.39-1.96	55W	2000	2.0-3.5				✓	✓	
BSD-9450LF/PF	DC 32V	1.47-4.41	55W	1000	4.0-6.0		A,B	✓	✓			

※Bit Types "A"-Bit in SS 5mm Hexagon ○"B"-Bit in SS 6.35mm Hexagon ○"C"-Bit in M3 4øRound ○"D"-Bit in M6 5øRound○



Series	Model	Power	Input Voltage	Output Voltage	Dimensions	Weight	CE
POWER CONTROLLER	BSD-32P	40W	AC 220V 50/60Hz	DC 32V	130X50X30mm	260g	
	BSD-36P	40W	AC 220V 50/60Hz	DC 36V	130X50X30mm	240g	✓
	BSD-36P-60W	60W	AC 220V 50/60Hz	DC 36V	137X60X35mm	260g	✓
	BSD-36P-60WF	60W	AC 220V 50/60Hz	DC 36V	137X60X35mm	260g	✓
	BSP-32HL-40W	40W	AC 220V 50/60Hz	DC 32V/24V	137X60X31mm	190g	
	BSP-32HL-60W	60W	AC 100~240V 50/60Hz	DC 32V/24V	145X60X35mm	250g	
	BSP-32HL-300W	300W	AC 100~240V 50/60Hz	DC 32V/24V	200X80X66mm	460g	

SCREW FEEDER BSF-1450

- Prompt and steady screw feeding no waiting time for the next screw
- Widest range of applicable screw sizes
- Max of screw length & hopper capacity
- Applicability of special screw types
- Adjustable vibration intensity
- Humanized multi programming control

Model	BSF-1450
Applicable Screw Sizes	1.4-5.0mm
Applicable Screw Length	19mm
Scooping Chamber Capacity	200-220 c.c
Adjustable Rail	NO
Weight	2.17 kg
Size	182(W)X126(L)X147(H)mm
Power Source	AC 110-240V
Output Voltage	DC 12V



TORQUE METER (KTM-15, KTM-150)

- LED can identify the test range of torque setting by needed user. If the result is not complying to torque range setting, light will be warned.
- USB connector is only used for data output : it is convenient for user to work with computer.
- Auto-zero can be selected and zero reset becomes unnecessary for user.
- Automatically test values about maximum, minimum and mean.



KTM-15 / 150

※Products are suitable for shut off type screwdriver only.

Model	KTM-150	KTM-15	
Measuring Ranges	(kgf.cm)	1.5~150.0	0.15~15.0
	(Lbf.in)	1.5~130.0	0.15~13.0
	(N.m)	0.15~15.0	0.015~1.500
Accuracy	+/- 0.5%		
Power Supply	4.8VDC(Ni-MH chargeable battery 1.2VX4 cell 1650mAh)		
Charging Time	From empty -3 hours		
Operation Time	About 12 hours		
Battery Life	Chargeable for 300 times or more. However, it varies depending on operating conditions.		
Size(mm)	230(W)X125(D)X65(H)		
Weight(kg)	1.8		
Exclusive Charger	Input : AC100V~240V 50/60Hz	Output : DC12V 500mA	
	Torque measuring adaptorX3	Torque measuring adaptorX2	
Accessory	AJ-150 / AJ-50 / AJ-15K	AJ-15 / AJ-3	

SCREW COUNTER BSP-C32HL

BSD screw fastening counter helps manufacturer to avoid human fastening error during assembly process. Adopting a screw fastening counter on a assembly line is like hiring a quality control manager to monitor assembly process, quality and prevent costly fastening mistake on every work piece.



BSP-C32HL

Model	BSP-C32HL
Input Voltage	AC 100V-240V
Output Voltage	DC 32V/20V
Count	1-99
Count Method	Count-Up/Count-Down
Work With Sensor	ON/OFF
Gate Sensor	ON(2 Sensors)/OFF(1 Sensor)
Adjustable Slow-Start Time	0-9.9 Seconds
Adjustable Slow-Start Speed	60%-100% Rated Speed
Running Time Limit-LO	0-9.9 Seconds
Running Time Limit-HI	0-9.9 Seconds
NG Alarm	On/Off/FF/EF With LED & Buzzer
OK Alarm	On/Off/FF/EF With LED & Buzzer
Auto Zero	ON/OFF
External Inputs	Sensor/Reset
External Outputs	OK/NG/OK All
Screwdriver Control	Speed: HI/LO/Slow-Start
Dimension (mm)	150X48X130

Torque Fixing Ring

Model	Applicable Models
KC-2(S)	BSD-BN7000 series
KC-6C(S)	BSD-BN5000 series
KC-13C(S)	BSD-BN2000 series



Torque Adjuster

Model	Applicable Models
KW-1	BSD-BN7000 series
KW-3	BSD-BN5000 series
KW-4	BSD-BN2000 series



Suspension Rack

Model	Applicable Models
KH-2L	BSD-BN7000 series
KH-1L	BSD-BN7000 series (with KC)
KH-3	BSD-BN5000 series (with KC)
KH-4	BSD-BN5000 series
KH-5	BSD-BN2000 series



90 Degree Attachment

Model	Applicable Models
KL-1	BSD-BN7000 Series
KL-2	BSD-BN5000 Series



Spring Balancer

Model	Applicable Models
KL-600 (0.3~0.6kg)	BSD-BN2000 series
KL-1200 (0.6~1.5kg)	BSD-BN5000 series



Screw Setter

Model	Applicable Screw Size
KB-1	M1.7~2.0 Screw Available
KB-2	M2.0~2.6 Screw Available
KB-3	M3.0~4.0 Screw Available



Auxiliary Arm

Model	Applicable Models
KP-AUX C/E/B/D series	BSD-BN7000 series BSD-BN5000 series BSD-BN2000 series



BSD

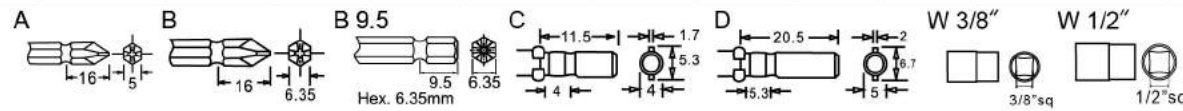
BRUSHLESS AUTO SHUT OFF ELECTRIC SCREWDRIVERS



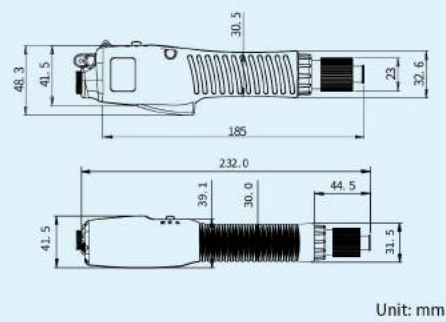
High Functional Brushless Motor
Non-Pollution For Clean-Room Circumstance
Stable Torque Output
Marvellous Lifespan
Two Speed Selections
Best For Micro-Electronic Assembly

TECHNICAL DATA OF ALL MODELS

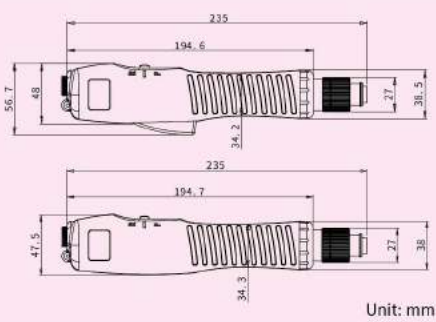
Model	Input Voltage	Power Consumption	Torque (N.m)	Repeatable Torque Accuracy (%)	Speed (r.p.m)	Screw Size (mm)		Weight (g)	Length (mm)	Power Controller	Bit Type
						Macne screw	Tapping screw				
BSD-BN2003L	24 / 32 VDC	25W	0.02~0.34	±3	1000/700	1.0~2.3	1.0~2.0	385	185	BSP-32BC-60W BSP-BC32HL-100(V3.0)	B、C
BSD-BN2007L	24 / 32 VDC	25W	0.05~0.69	±3	1000/700	1.4~2.6	1.4~2.3	385	185		B、C
BSD-BN2010L	24 / 32 VDC	25W	0.10~0.98	±3	1000/700	1.6~3.0	1.6~2.6	385	185		B、C
BSD-BN5012L	24 / 32 VDC	55W	0.15~1.18	±3	1000/700	1.6~3.0	1.6~2.6	520	245		A、B、C、D
BSD-BN5012P	24 / 32 VDC	55W	0.2~1.18	±3	1000/700	1.6~3.0	1.6~2.6	520	245		A、B、C、D
BSD-BN5019L	24 / 32 VDC	55W	0.29~1.86	±3	1000/700	2.3~3.5	2.3~3.0	520	245		A、B、C、D
BSD-BN5019P	24 / 32 VDC	55W	0.29~1.86	±3	1000/700	2.3~3.5	2.3~3.0	520	245		A、B、C、D
BSD-BN5012LF	32 VDC	55W	0.15~1.18	±3	2000	1.6~3.0	1.6~2.6	520	245		A、B、C、D
BSD-BN5012PF	32 VDC	55W	0.2~1.18	±3	2000	1.6~3.0	1.6~2.6	520	245		A、B、C、D
BSD-BN7030L	32 VDC	55W	0.98~2.94	±3	1200/900	2.6~4.0	2.6~3.5	790	290		BSP-B32HL BSP-BC32HL-100(V3.0)
BSD-BN7030P	32 VDC	55W	0.98~2.94	±3	1200/900	2.6~4.0	2.6~3.5	790	290	A、B	
BSD-BN7022LF	32 VDC	55W	0.49~2.16	±3	2000	2.6~4.0	2.6~3.5	780	290	A、B	
BSD-BN7022PF	32 VDC	55W	0.49~2.16	±3	2000	2.6~4.0	2.6~3.5	780	290	A、B	



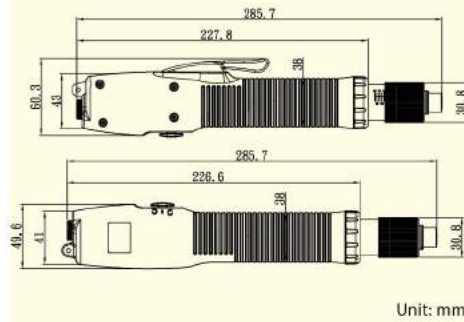
BSD-BN2000 series



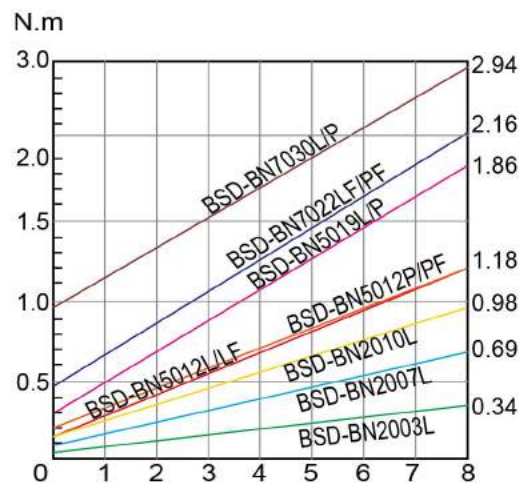
BSD-BN5000 series



BSD-BN7000 series



Torque Range Chart



POWER CONTROLLER

Model	BSP-32BC-60W	BSP-B32HL
Input Voltage	220VAC 50Hz	
Output Voltage	24/32VDC	
Power Consumption	60W	
Size (mm)	145X60X35	200X80X66
Weight (g)	250	460
Applicable Models	BSD-BN2000 series BSD-BN5000 series	BSD-BN7000 series



SCREW FEEDER

Model Name & Number	Size (L)X(W)X(H)mm	Weight	Power Source	Switching Adaptor	Applicable Screw	Applicable Screw Length	Applicable Screw head Dia.	Horizontal Delivery Speed	Scoping Chamber Capacity
KFR-1050	182X126X147	2.5 Kg (w/o adapter)	AC 100~240V	DC 15V Switching Adaptor	From M1.0 to M5.0	≤18mm	≤10mm	42~90 pcs/min (0.7~1.5 Sec)	200~220 cc
KFA-0820	160X82X112	1.53kg (w/o adapter)	AC 100~240V	DC 12V Switching Adaptor	From M0.8~M2.0	≤8mm	≤5mm	42~90 pcs/min (0.7~1.3 Sec)	4000pcs (for M1.4X4) 1200pcs (for M2.0X5)
KFA-0850	182X124X150	3.1kg (w/o adapter)	AC 100~240V	DC 12V Switching Adaptor	From M1.0~M5.0	≤12mm	≤7mm	42~90 pcs/min (0.7~1.5 Sec)	200~220 c.c
KFA-0830	182X124X146	3.0kg (w/o adapter)	AC 100~240V	DC 12V Switching Adaptor	From M0.8~M3.0	≤18mm	≤7 mm	46~50 pcs/min (1.2~1.3 Sec)	200~220 c.c
BSF-1450	182X126X147	2.17kg (w/o adapter)	AC 110~240V	DC 12V Switching Adaptor	From M1.4-M5.0	18mm	≤9mm	42~90 pcs/min (0.7~1.5 Sec)	200~220 c.c



SCREW COUNTER

Model	BSP-BC32HL-100(V3.0)
Input Voltage	AC 100~240V 50/60HZ
Output Voltage	DC 32V / 24V 1.875A
Power Consumption	60W
Count	1~99
Count method	Count-up / Count-down
Work with Sensor	ON / OFF
GATE Sensor	ON(2 Sensors) / OFF(1 Sensor)
Slow-start time adjustable	0~9.9 seconds
Slow-start speed adjustable	L0 : 100%, 35%~85% L1~L9 Rated speed
Running Time limit-LO	0.00~9.99 seconds
Running Time limit-HI	0.0~9.9 seconds
Reminder Mode	ON / OF / FF / EF with LED and buzzer
Auto ZERO	ON / OFF
External inputs	Forward / Reverse / Disable / Confirm / Sensor / Clear
External outputs	OK / NG / OK ALL
Screwdriver Control	HI / LO : Slow-Start
Outside Dimensions	200X130X100(mm)
Weight(Kg)	1.57
Accessories	Power cordX1 · KeyX2
Remark	
Applicable Models	BSD-BN2000(Series) BSD-BN5000(Series) BSD-BN7000(Series)



TORQUE METERS

Model	KTM-1000	KTM-250	KTM-150	KTM-15	KTM-6	KTM-50S
Measuring Ranges	(kgf.cm)	50~1000	3.0~250.0	1.5~150.0	0.15~15.0	0.02~8.0
	(Lbf.in)	45~885	3.0~217.0	1.5~130.0	0.15~13.0	0.02~7.0
	(N.m)	5~100	0.30~25.00	0.15~15.0	0.015~1.500	0.2~80.0 (cN.m)
Accuracy	+/- 0.5%(20~100N.m) +/- 1.0%(10~20N.m) +/- 2.0%(5~10N.m)		+/- 0.5%			
Power Supply	3.7V, 4400mAh Lithium Ion		4.8VDC (NI-MH chargeable battery 1.2VX4 cell 1650mAh)			
Charging Time	8 hours		From empty -3 hours			
Operation Time	8 hours(non stop)		About 12 hours			
Battery Life	Chargeable for 300 times or more. However, it varies depending on operating conditions.					
Size(mm)	229(W)X102(D)X80(H)	160(W)X210(D)X45(H)	230(W)X125(D)X65(H)		1.8	230(W)X123(D)X65(H)
Weight(kg)	2.7	2.0	1.8		1.8	1.8
Exclusive Charger	Input : AC100V~240V 50/60Hz Output : DC5V 1.0A Max		Input : AC100V~240V 50/60Hz		Output : DC12V 400mA	
Accessory	Torque measuring adaptorX1 SJ-1000	Torque measuring adaptorX1 AJ-250	Torque measuring adaptorX3 AJ-150 / AJ-50 / AJ-15K	Torque measuring adaptorX2 AJ-15 / AJ-3	Torque measuring adaptorX1 AJ-3	Torque measuring adaptorX1 AJ-50S