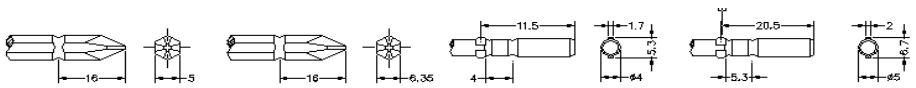
Specifications

MODEL		SK-3110P	SK-3120P	SK-3180P	SK-3180PF
Input voltage(AC)		AC 110V~120V 50HZ/60HZ			
Rated input		48W			
Bit torque	(kgf.cm)	2~5	2~12	3~16	2~10
	(Lbf.in)	1.77~ 4.34	1.77~10.44	2.57~13.89	1.77~8.67
	(N.m)	0.2~ 0.49	0.2~1.18	0.29~1.57	0.2~0.98
Torque Accuracy (%)		±3%			
Torque Adjustment		Step less			
Rev speed at no load (R.p.m)		1000	1000	1000	2000
Non-power Consumption (A)		0.3A	0.3A	0.3A	0.3A
Metal assembly screw	Machine screw(mm)	1.6~2.5	1.6~3.0	2.6~3.5	2.0~3.0
	Tapping screw(mm)	1.6~2.0	1.6~2.6	2.6~3.0	2.0~2.6
Weight (g)		500			
Length (mm)		237			
Model of Torque Fixing Ring		KC-3			
Model of Suspension Rack		KH-4、(KC & KH-2)			
Bit Type		 HEX 5mm, HEX 6.35mm Ø4mm, Ø5mm			

* 1N.m=10.2Kgf.cm 1N.m=8.85Lbf.in

Accessories

1、ＢＩＴ Type ： No. 00 ・・・ Bit use in dia 1.3~1.8mm screw

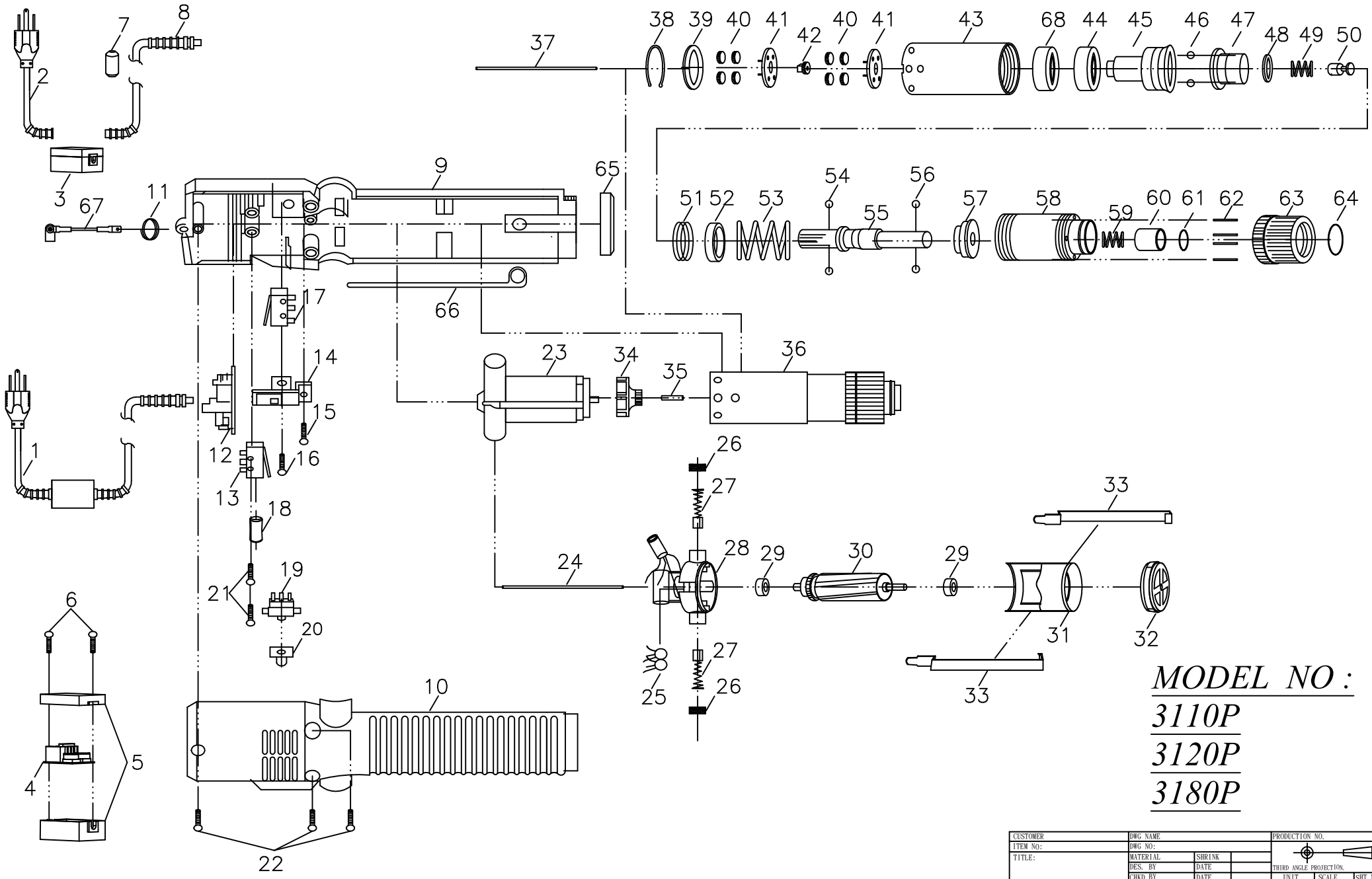
No. 0・・・・ Bit use in dia 1.6~2.0mm screw

No. 1・・・ ・Bit use in dia 2.0~2.6mm screw

No. 2・・ ・・Bit use in dia 3.0~4.0mm screw

SK-3120L	；SK-3220L	with BIT	1# & 2#	1 Pcs. Each
SK-3180L	；SK-3280L	with BIT	1# & 2#	1 Pcs. Each
SK-3180LF	；SK-3280LF	with BIT	1# & 2#	1 Pcs. Each

2、Suspension rack and Torque fixing ring acceptable for use with the tool are available from KILEWS catalogue.



MODEL NO :

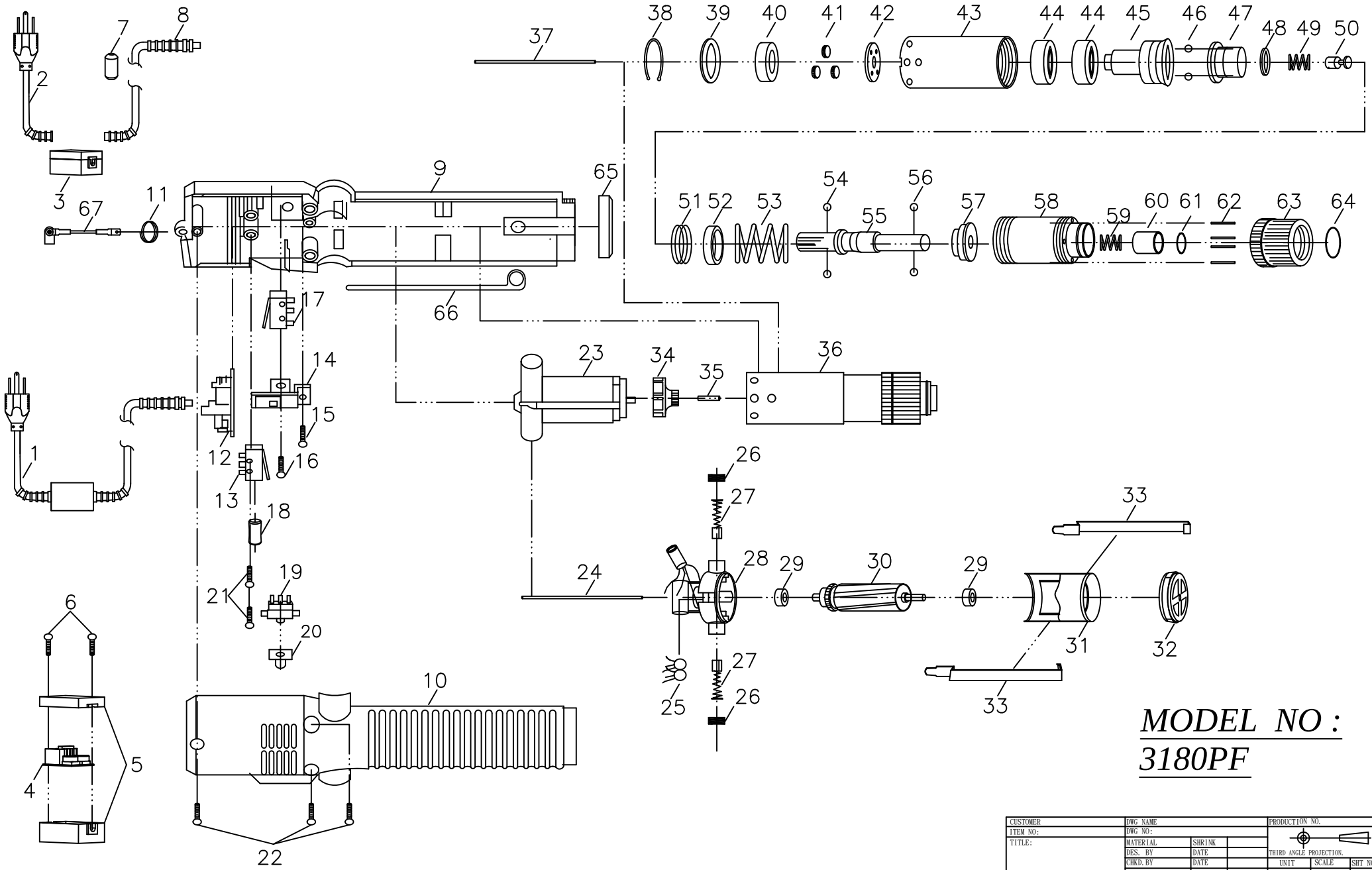
3110P

3120P

3180P

CUSTOMER	DWG NAME			PRODUCTION NO.	
ITEM NO:	DWG NO:				
TITLE:	MATERIAL	SHRINK		THIRD ANGLE PROJECTION.	
	DES. BY	DATE			
	CHKD. BY	DATE		UNIT	SCALE	SHT NO.
	APPD. BY	DATE				

NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty	NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	AC30001	Cord Assy-AMERICA Plug	電源線整組 美規	1		GZ33371-2AD	CLUTCH ASSEMBLY FOR 3120PAD	離合器整組 3120PAD	1
	AF30001	Cord Assy-EUROPE Plug	電源線整組 歐規	1		GZ33371-3A	CLUTCH ASSEMBLY FOR 3180PA	離合器整組 3180PA	1
	AG30001	Cord Assy-BRITISH Plug	電源線整組 英規	1		GZ33371-3B	CLUTCH ASSEMBLY FOR 3180PB	離合器整組 3180PB	1
	AJ30001	Cord Assy-INDIA Plug	電源線整組 印規	1		GZ33371-3C	CLUTCH ASSEMBLY FOR 3180PC	離合器整組 3180PC	1
	AD30001-6	Cord Assy-AUSTRALIA Plug	電源線整組 澳規	1		GZ33371-3D	CLUTCH ASSEMBLY FOR 3180PD	離合器整組 3180PD	1
2	AA30007-1	Cord 1FT with AMERICA Plug	1呎長電源線 美規	1		GZ33371-3AD	CLUTCH ASSEMBLY FOR 3180PAD	離合器整組 3180PAD	1
	AA30007-2	Cord 1FT with EUROPE Plug	1呎長電源線 歐規	1	37	MI33241	PILOT ROD	開關引導棒	1
	AA30007-5	Cord 1FT with BRITISH Plug	1呎長電源線 英規	1	38	GK20231	"C" RING FOR CH20241	齒輪固定C環	1
	AA30007-5E	Cord 1FT with INDIA Plug	1呎長電源線 印規	1	39	GI20251-1	IRON WASHER	齒輪固定片	1
	AA30007-1D	Cord 1FT with AUSTRALIA Plug	1呎長電源線 澳規	1	40	GH20241	IDLE GEAR	游星齒輪	8
3	EJ30002-2	EMC-BOX ASSEMBLY	EMC盒成品	1	41	GG20271	GEAR SEAT	齒盤	2
4	EG30005-3	P.C.B-EMC	PC板-EMC	1	42	G20101	CENTRAL GEAR	中心齒	1
5	EC30006	EMC-BOX CASE ONLY	EMC盒 上下蓋	1	43	GA30311-7	GEAR CASE	上離合器筒	1
6	CH90152-1F	SCREW	螺絲	2	44	GN30321	MAIN BEARING	離合器主軸承	1
7	ED30004	FILTER	電磁夾	1	45	GX33319-4	SHAFT GUIDE FOR "3110P,3120P"	上離合器頭(3110P,3120P)	1
8	AA30009-1T	CORD 9FT	9呎長電源線	1		GX33318-2	SHAFT GUIDE FOR "3180P"	上離合器頭(3180P)	1
9	CB33401	HOUSING-UNDERSIDE	下蓋	1	46	GP30351	STEEL BALLS	跳脫鋼珠	2
10	CA33402	HOUSING-UPSIDE	上蓋	1	47	GF33317	WARING PLATE	扭力推盤	1
11	CJ20011	SUSPENSION RING	起子吊環	1	48	GV33316	INNER SPRING CAP	下壓式彈簧蓋	1
12	EG90111	CONTROL BOARD	PC板	1	49	GO33315-2	INNER SPRING FOR "3110P,3120P"	下壓式內彈簧 3110P,3120P	1
13	HB30061	SHUT OFF SWITCH	停止開關	1		GO33315	INNER SPRING FOR 3180P	下壓式內彈簧 3180P	1
14	CE90101-1	SWITCH BASE	三合一開關架	1	50	GU30361	STOP PILOT	停止用酒杯	1
15	CH90121	SCREW	螺絲	1	51	GO30541	PRING FOR "3110P,3120P"	兩段式小彈簧(3110P,3120P)	1
16	CH90131	SCREW	螺絲	1		GO30541-2	PRING FOR 3180P	兩段式小彈簧(3180P)	1
17	HB91061	START SWITCH	啟動開關	1	52	GO30531	SPRING CAP	彈簧蓋	1
18	E31905	BRAKE RESISTOR	剎車電阻	1	53	GE30413-13	WRING SPRING FOR 3110P	扭力彈簧(3110P)	1
19	HA28071-3F	CHANGEOVER SWITCH	正反開關	1		GE30411-18	WRING SPRING FOR 3120P	扭力彈簧(3120P)	1
20	CI60213	CHANGEOVER SWITCH CAP FOR "3110P"	正反開關帽蓋(3110P)	1		GE30413-5	WRING SPRING FOR 3180P	扭力彈簧(3180P)	1
	CI60214	CHANGEOVER SWITCH CAP FOR "3120P"	正反開關帽蓋(3120P)	1	54	GP30371	STELL BALLS	酒杯鋼珠	2
	CI60212	CHANGEOVER SWITCH CAP FOR "3180P"	正反開關帽蓋(3180P)	1	55	GD33319D	SHAFT FOR "D" TYPE	傳動軸(D頭)	1
21	CH90151-1	SCREW	螺絲	2		GD33319A	SHAFT FOR "A" TYPE	傳動軸(A頭)	1
22	CH20102	SCREW	螺絲	3		GD33319B	SHAFT FOR "B" TYPE	傳動軸(B頭)	1
23	MO33381	MOTOR ASSEMBLY	馬達整組	1		GD33319C	SHAFT FOR "C" TYPE	傳動軸(C頭)	1
24	MI33511	PILOT ROD	開關引導棒	1		GD33319AD	SHAFT FOR "AD" TYPE	傳動軸(AD頭)	1
25	EB33610-2	CERAMICS CAPACITOR	陶瓷電容	2	56	GP20331	BIT PILOT FOR "A&D"	起子頭帽鋼珠(A&D用)	2
26	MD20151	BRUSH CAP	碳刷蓋	2		GP21291B	BIT PILOT FOR "B&C"	起子頭帽鋼珠(B&C用)	2
27	MC21411	CARBON	碳刷	2	57	GY33313	WRING SPRING BASE	止推盤	1
28	ML33382	MOTOR TOP COVER ASSY	碳刷座半成品	1	58	GB20381-8	CLUTCH CASE FOR "A,C,D"TYPE	下離合器筒(A,C,D用)	1
29	ME21481	ARMATURE BEARING	馬達軸承	2		GB20381-9	CLUTCH CASE FOR "B"TYPE	下離合器筒(B用)	1
30	MH33383	ARMATURE	電樞	1	59	GO30452	BIT SPRING FOR 3110 3120 3180PA,C,D	起子頭帽彈簧 3110 3120 3180PA,C,D	1
31	MJ33631	MOTOR YOKE ASSEMBLY	馬達鐵圈連磁鐵	1		GO20391B-J	BIT SPRING FOR 3110 3120PB	起子頭帽彈簧 3110 3120PB	1
32	MB33651	MOTOR END COVER	馬達前蓋	1		GO20391B	BIT SPRING FOR 3180PB	起子頭帽彈簧 3180PB	1
33	MA33621B	ASSEMBLING SPRING	馬達固定鐵片	2	60	GJ30461	BIT SLEEVE FOR "A,C,D"	起子頭帽(A,C,D)	1
34	MK33091	FAN	風扇	1		GJ3046B	BIT SLEEVE FOR "B"	起子頭帽(B)	1
35	MG91081	PILOT ROD	陶瓷棒	1	61	GQ30471	"C" RING FOR "A,C,D"	起子頭帽C環(A,C,D)	1
36	GZ33371-1A	CLUTCH ASSEMBLY FOR 3110PA	離合器整組 3110PA	1		GQ21361	"C" RING FOR "B"	起子頭帽C環(B)	1
	GZ33371-1B	CLUTCH ASSEMBLY FOR 3110PB	離合器整組 3110PB	1	62	GL30481-1	TORQUE ADJUST PING	扭力調整棒	4
	GZ33371-1C	CLUTCH ASSEMBLY FOR 3110PC	離合器整組 3110PC	1	63	GM30491	TORQUE ADJUST RING	扭力調整環	1
	GZ33371-1D	CLUTCH ASSEMBLY FOR 3110PD	離合器整組 3110PD	1	64	GS30501	"C"RING	扭力環C環	1
	GZ33371-1AD	CLUTCH ASSEMBLY FOR 3110PAD	離合器整組 3110PAD	1	65	CD20111	COUPLER ONE COLOR	外殼前鎖環	1
	GZ33371-2A	CLUTCH ASSEMBLY FOR 3120PA	離合器整組 3120PA	1	66	CH30671	GROUNDING MEANS	接地線	1
	GZ33371-2B	CLUTCH ASSEMBLY FOR 3120PB	離合器整組 3120PB	1	67	P12104	3cm RETAINING CLIP	三公分固定線	1
	GZ33371-2C	CLUTCH ASSEMBLY FOR 3120PC	離合器整組 3120PC	1	68	GN30435	MAIN BEARING	離合器主軸承	1
	GZ33371-2D	CLUTCH ASSEMBLY FOR 3120PD	離合器整組 3120PD	1					



MODEL NO : 3180PF

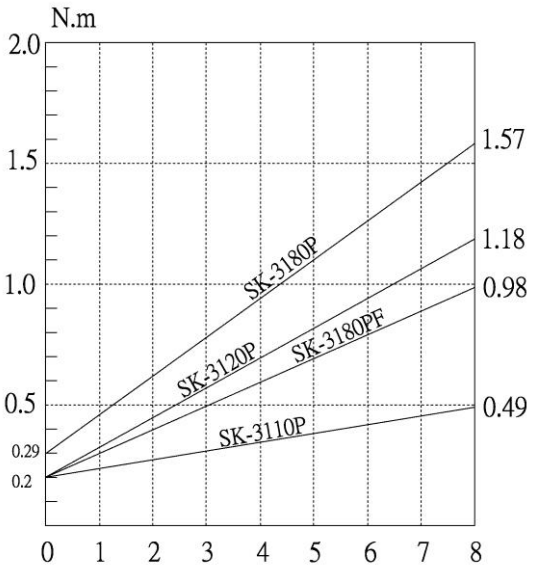
CUSTOMER	DWG NAME			PRODUCTION NO.		
ITEM NO:	DWG NO:					
TITLE:	MATERIAL	SHRINK		THIRD ANGLE PROJECTION.		
	DES. BY	DATE				
	CHKD. BY	DATE		UNIT	SCALE	SHT NO.
	APPD. BY	DATE				

NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty	NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	AC30001F	Cord Assy-AMERICA Plug	電源線整組 美規	1		GZ33371-3BF	CLUTCH ASSEMBLY FOR 3180PFB	離合器整組 3180PFB	1
	AF30001F	Cord Assy-EUROPE Plug	電源線整組 歐規	1		GZ33371-3CF	CLUTCH ASSEMBLY FOR 3180PFC	離合器整組 3180PFC	1
	AG30001F	Cord Assy-BRITISH Plug	電源線整組 英規	1		GZ33371-3DF	CLUTCH ASSEMBLY FOR 3180PFD	離合器整組 3180PFD	1
	AJ30001F	Cord Assy-INDIA Plug	電源線整組 印規	1		GZ33371-3ADF	CLUTCH ASSEMBLY FOR 3180PFAD	離合器整組 3180PFAD	1
	AD30001F	Cord Assy-AUSTRALIA Plug	電源線整組 澳規	1	37	MI33241	PILOT ROD	開關引導棒	1
2	AA30007-1	Cord 1FT with AMERICA Plug	1呎長電源線 美規	1	38	GK20231	"C" RING FOR CH20241	齒輪固定C環	1
	AA30007-2	Cord 1FT with EUROPE Plug	1呎長電源線 歐規	1	39	GI20251-1	IRON WASHER	齒輪固定片	1
	AA30007-5	Cord 1FT with BRITISH Plug	1呎長電源線 英規	1	40	G21302	WASHER	齒輪墊圈	1
	AA30007-5E	Cord 1FT with INDIA Plug	1呎長電源線 印規	1	41	GH20241-1	IDLE GEAR	游星齒輪	3
	AA30007-1D	Cord 1FT with AUSTRALIA Plug	1呎長電源線 澳規	1	42	GG20271-1	GEAR SEAT	齒盤	1
3	EJ30002-5	EMC-BOX ASSEMBLY	EMC盒成品	1	43	GA30311-8	GEAR CASE	上離合器筒	1
4	EG30005-3	P.C.B-EMC	PC板-EMC	1	44	GN30321	MAIN BEARING	離合器主軸承	2
5	EC30006	EMC-BOX CASE ONLY	EMC盒 上下蓋	1	45	GX33319-4	SHAFT GUIDE	上離合器頭	1
6	CH90152-1F	SCREW	螺絲	2	46	GP30351	STEEL BALLS	跳脫鋼珠	2
7	ED30004	FILTER	電磁夾	1	47	GF33317	WARING PLATE	扭力推盤	1
8	AA30009	CORD 9FT	9呎長電源線	1	48	GV33316	INNER SPRING CAP	下壓式彈簧蓋	1
9	CB33401	HOUSING-UNDERSIDE	下蓋	1	49	GO33315-2	INNER SPRING	下壓式內彈簧	1
10	CA33402	HOUSING-UPSIDE	上蓋	1	50	GU30361	STOP PILOT	停止用酒杯	1
11	CJ20011	SUSPENSION RING	起子吊環	1	51	GO30541	PRING	兩段式小彈簧	1
12	EG90111	CONTROL BOARD	PC板	1	52	GO30531	SPRING CAP	彈簧蓋	1
13	HB30061	SHUT OFF SWITCH	停止開關	1	53	GE30411-5	WRING SPRING	扭力彈簧	1
14	CE90101-1	SWITCH BASE	三合一開關架	1	54	GP30371	STELL BALLS	酒杯鋼珠	2
15	CH90121	SCREW	螺絲	1	55	GD33319D	SHAFT FOR "D" TYPE	傳動軸(D頭)	1
16	CH90131	SCREW	螺絲	1		GD33319A	SHAFT FOR "A" TYPE	傳動軸(A頭)	1
17	HB91061	START SWITCH	啟動開關	1		GD33319B	SHAFT FOR "B" TYPE	傳動軸(B頭)	1
18	E31905	BRAKE RESISTOR	剎車電阻	1		GD33319C	SHAFT FOR "C" TYPE	傳動軸(C頭)	1
19	HA28071-3F	CHANGEOVER SWITCH	正反開關	1		GD33319AD	SHAFT FOR "AD" TYPE	傳動軸(AD頭)	1
20	CI60212	CHANGEOVER SWITCH CAP	正反開關帽蓋	1	56	GP20331	BIT PILOT FOR "A&D"	起子頭帽鋼珠(A&D用)	2
21	CH90151-1	SCREW	螺絲	2		GP21291B	BIT PILOT FOR "B&C"	起子頭帽鋼珠(B&C用)	2
22	CH20102	SCREW	螺絲	3	57	GY33313	WRING SPRING BASE	止推盤	1
23	MO33381	MOTOR ASSEMBLY	馬達整組	1	58	GB20381-8	CLUTCH CASE FOR "A.C.D"TYPE	下離合器筒(A.C.D用)	1
24	MI33511	PILOT ROD	開關引導棒	1		GB20381-9	CLUTCH CASE FOR "B"TYPE	下離合器筒(B用)	1
25	EB33610-2	CERAMICS CAPACITOR	陶瓷電容	2	59	GO30452	BIT SPRING FOR 3180PFA,C,D	起子頭帽彈簧 3180PFA,C,D	1
26	MD20151	BRUSH CAP	碳刷蓋	2		GO20391B-J	BIT SPRING FOR 3180PFB	起子頭帽彈簧 3180PFB	1
27	MC21411	CARBON	碳刷	2	60	GJ30461	BIT SLEEVE FOR "A,C,D"	起子頭帽(A,C,D)	1
28	ML33382	MOTOR TOP COVER ASSY	碳刷座半成品	1		GJ3046B	BIT SLEEVE FOR "B"	起子頭帽(B)	1
29	ME21481	ARMATURE BEARING	馬達軸承	2	61	GQ30471	"C" RING FOR "A,C,D"	起子頭帽C環(A,C,D)	1
30	MH33383	ARMATURE	電樞	1		GQ21361	"C" RING FOR "B"	起子頭帽C環(B)	1
31	MJ33631	MOTOR YOKE ASSEMBLY	馬達鐵圈連磁鐵	1	62	GL30481-1	TORQUE ADJUST PING	扭力調整棒	4
32	MB33651	MOTOR END COVER	馬達前蓋	1	63	GM30491	TORQUE ADJUST RING	扭力調整環	1
33	MA33621B	ASSEMBLING SPRING	馬達固定鐵片	2	64	GS30501	"C"RING	扭力環C環	1
34	MK33091LF	FAN	風扇	1	65	CD20111	COUPLER ONE COLOR	外殼前鎖環	1
35	MG30081-1	PILOT ROD	陶瓷棒	1	66	CH30671	GROUNDING MEANS	接地線	1
36	GZ33371-3AF	CLUTCH ASSEMBLY FOR 3180PFA	離合器整組 3180PFA	1	67	P12104	3cm RETAINING CLIP	三公分固定線	1

Torque Adjustment Operation

To adjust the torque on these screwdrivers. Proceed as follows :

1. Determine the torque output of the tool by checking a tightened Fastener with a torque wrench.
2. Increase or decrease the torque by rotating the Spring Adjusting Ring. Rotating the Ring clockwise to a higher number on the torque Scale increase torque output while rotating the Ring counterclockwise to a lower number decreases the torque output.
3. Check the adjustment with a torque wrench. A number of factors will affect torque output from one job to another. Final torque adjustment should be made at the job through a of series of gradual increase. Always start below the desired torque and work upward.
4. Adjust the bit torque by changing the driving in length of the adjust ring at the end.
5. The relationship between torque scale and bit torque is as shown Ring, in the torque diagram. The figures of torque scale do not indicate bit torque values. However, the clamping torque of screw itself is different form type, size, material of the screw and the material of its mating part. Use it as standard to obtain an appropriate clamping torque.
6. The (Return torque method) in which once-clamped screw is returned with torque wrench or the like is available as one of torque control methods however, note that the measured values by the return torque method generally appear in 10%~30% lower than the actually clamping torque.
7. The torque checker measures the torque of screwdriver. The clamping torque of screw itself is different from the clamped conditions. Understand the correlation between clamping torque values and the torque checker values perform the torque control properly.



CAUTION

1. Also in reverse rotation, the clutch is turned off in such manner as in normal rotation, stopping the motor running. Accordingly, when the screw tightened at a large torque, set it to a higher torque scale.
2. The number from zero to eight on the Torque Scale are reference number only and not an indication of actual torque output.

Equipment name: Electric screwdriver

Type designation (Type):SK-3110P,SK-3120P,SK-3180P,SK-3180PF

RoHS

Unit	Restricted substances and its chemical symbols					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr^{+6})	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Housing	○	○	○	○	○	○
Switch line	○	○	○	○	○	○
MOTOR ASSEMBLY	○	○	○	○	○	○
Gear Housing	○	○	○	○	○	○
CORD ASSEMBLY	○	○	○	○	○	○