

Low voltage screwdrivers



A



B



C

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<http://www.LouZampini.com>
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Power Controllers

PIC REF	MODEL	PART NUMBER	DESCRIPTION
D	ESP1-1	615 932 630 0	For use with one screwdriver AC 115V 50/60Hz
D	ESP1-2	615 932 631 0	For use with one screwdriver AC 230V 50/60Hz
E	ESP2-1	615 932 632 0	For use with two screwdrivers AC 115V 50/60Hz
E	ESP2-2	615 932 633 0	For use with two screwdrivers AC 230V 50/60Hz



D



E

START-UP KIT to be ordered with the controller
 Including: **Power cable and plug**

PLUG	DESCRIPTION	PART NO.
A	UK	615 917 202 0
B	USA	615 917 203 0
C	European	615 917 201 0



A



B



C



SSCM1

ACCESSORIES INCLUDED

	PART NO
• Cable, 1.83m (6ft) long	615 360 001 0

OPTIONAL ACCESSORIES

	PART NO
• Torque fixing ring Type A can be equipped with torque fixing ring	615 225 053 0
Types B and C can be equipped with torque fixing ring	615 225 054 0
• Cable, 2.74m (9ft) long	615 360 217 0
• Slow-start control module - SSCM1	615 932 644 0
(not available for the North American and Canada market)	

* CE Certification
 ** UL Certification (USA)



Recommended duty cycle, maximum 15 screws per minute

PIC REF	MODEL	PART NUMBER	FREE SPEED		OUTPUT Hex.	TORQUE RANGE		LENGTH		WEIGHT		VOLTAGE	CONTROLLER
			Hi rpm	Lo rpm		in.	Nm	in.lb	mm	in.	kg		
A	SLK003-L1000-S4Q*	615 165 252 0	1000	700	1/4	0.02-0.34	0.18-3.01	224	8.82	0.27	0.59	24 or 32	ESP
A	SLK007-L1000-S4Q*	615 165 253 0	1000	700	1/4	0.05-0.69	0.44-6.11	224	8.82	0.27	0.59	24 or 32	ESP
A	SLK010-L670-S4Q*	615 165 254 0	670	470	1/4	0.10-0.98	0.88-8.67	224	8.82	0.27	0.59	24 or 32	ESP
B	SLK011-L1000-S4Q*	615 165 255 0	1000	700	1/4	0.10-1.18	0.88-10.4	239	9.41	0.48	1.06	24 or 32	ESP
B	SLK015-L1000-S4Q*	615 165 256 0	1000	700	1/4	0.29-1.57	2.57-13.9	239	9.41	0.48	1.06	24 or 32	ESP
C	SLK011-A1000-S4Q*	615 165 257 0	1000	700	1/4	0.10-1.18	0.88-10.4	218	8.58	0.48	1.06	24 or 32	ESP
C	SLK015-A1000-S4Q*	615 165 258 0	1000	700	1/4	0.29-1.57	2.57-13.9	218	8.58	0.48	1.06	24 or 32	ESP
A	SLK003-L1000-S4Q**	615 165 269 0	1000	700	1/4	0.02-0.34	0.18-3.01	224	8.82	0.27	0.59	24 or 32	ESP
A	SLK007-L1000-S4Q**	615 165 270 0	1000	700	1/4	0.05-0.69	0.44-6.11	224	8.82	0.27	0.59	24 or 32	ESP
A	SLK010-L670-S4Q**	615 165 271 0	670	470	1/4	0.10-0.98	0.88-8.67	224	8.82	0.27	0.59	24 or 32	ESP
B	SLK011-L1000-S4Q**	615 165 272 0	1000	700	1/4	0.10-1.18	0.88-10.4	239	9.41	0.48	1.06	24 or 32	ESP
B	SLK015-L1000-S4Q**	615 165 273 0	1000	700	1/4	0.29-1.57	2.57-13.9	239	9.41	0.48	1.06	24 or 32	ESP
C	SLK011-A1000-S4Q**	615 165 274 0	1000	700	1/4	0.10-1.18	0.88-10.4	218	8.58	0.48	1.06	24 or 32	ESP
C	SLK015-A1000-S4Q**	615 165 275 0	1000	700	1/4	0.29-1.57	2.57-13.9	218	8.58	0.48	1.06	24 or 32	ESP

L : lever start - A : push start



ESP Range

ESP7 controller for SLE screwdrivers

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Remote interface port
 (options 2,3,4,5)

Switchable supply voltage
 AC230, 50Hz or
 AC120, 60Hz

3 Button keypad for
 simple programming

LCD Display for programming
 and displaying cycle parameters

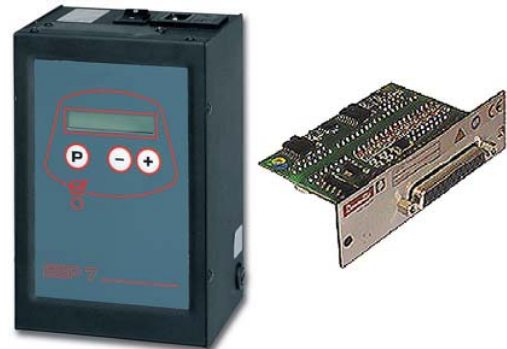
Cycle complete indicator

Wall mounting bracket



TECHNICAL FEATURES

MAIN FUNCTIONS	VERSIONS				
	OPTION 1	OPTION 2	OPTION 3	OPTION 4	OPTION 5
PROGRAMMABLE CONTROLLER					
Password protected programming	✓	✓	✓	✓	✓
Automatic tool recognition	✓	✓	✓	✓	✓
Factory default reset facility	✓	✓	✓	✓	✓
Auto Start	✓	✓	✓	✓	✓
Left/Right hand rotation	✓	✓	✓	✓	✓
Tool running indicator	✓	✓	✓	✓	✓
Counting function	✓	✓	✓	✓	✓
CONTROL CARDS					
Slow start speed control		✓	✓	✓	✓
Rundown speed control		✓	✓	✓	✓
Final speed control		✓	✓	✓	✓
Reverse speed control		✓	✓	✓	✓
Auto reverse			✓	✓	✓
Current control			✓	✓	✓
4 Parameter groups			✓	✓	✓
FAS capability (lever and push start tool)				✓	✓
Remote interface port		✓	✓	✓	✓



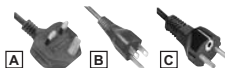
MODEL	PART NUMBER	FOR TOOLS	SWITCHABLE SUPPLY VOLTAGE		WIDTH		DIMENSIONS HEIGHT		DEPTH		WEIGHT	
			AC230	AC120	mm	in.	mm	in.	mm	in.	kg	lb

PROGRAMMABLE CONTROLLER												
ESP7	111362	SLE	50Hz	60Hz	143	5.6	212	8.3	115	4.5	5	11.3

CONTROL CARDS												
OPTION 2	108242										0.21	0.46
OPTION 3 & 4	108252										0.25	0.55
OPTION 5	108262										0.34	0.75

START-UP KIT to be ordered with the controller
 Including: **Power cable and plug**

PLUG	DESCRIPTION	PART NO.
A	UK	615 917 202 0
B	USA	615 917 203 0
C	European	615 917 201 0



Example of order

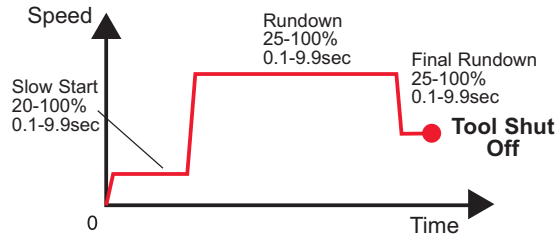
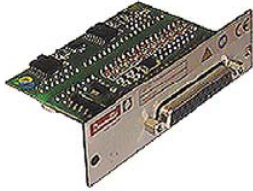
	PART NO.
Tools - Clutch controlled types only	SLE017-A1500-S4Q 1464864
Programmable controller	ESP7 111362
Control Card	Option 2 108242
Start-up kit	UK 615 917 202 0



Electric fastening tools

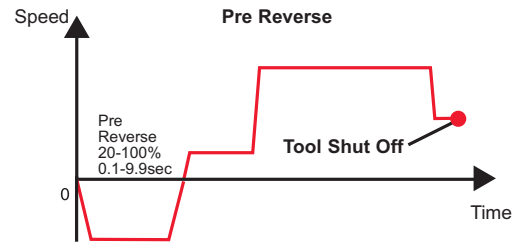
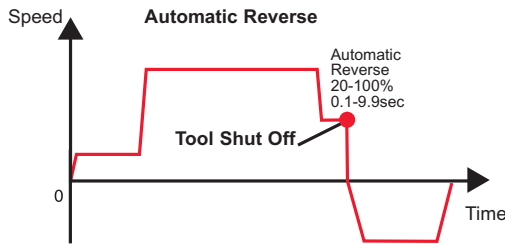
Control Options

OPTION 2 – Clutch Controlled Shut Off with Speed Control



Parameters Tool start mode, external forward, reverse or stop signal functions, slow start time and speed, rundown time and speed, final rundown time and speed, reverse speed
Outputs Cycle finished, cycle not finished, ground 24V DC
Inputs External forward, external reverse, external stop, +24V DC

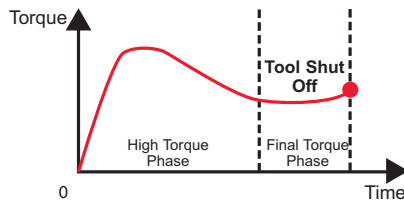
OPTION 3 – Clutch Controlled Shut Off with Speed Control and Automatic Reverse Options OPTION 4 – Current Controlled Shut Off with Speed Control and Automatic Reverse Options



Parameters As per Option 2 plus program selection (maximum of 4), pre reverse time, automatic reverse time after shut off, current percentage (current control only)
Outputs Cycle finished, cycle not finished, ground 24V DC
Inputs External forward, external reverse, external stop, program selection, +24V DC

OPTION 5 – Clutch or Current Controlled Shut Off with Speed Control and Automatic Reverse Option, High Torque Current Control and Fastening Assurance

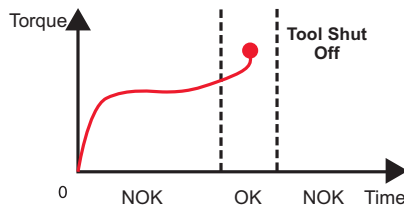
This option has all the features of Options 3 and 4 plus:



High Torque Current Control

This function permits the current control tools to operate at a higher torque level during the rundown than the torque required at shut off.

Applications include those with thread forming screws, self tapping screws in thin materials or soft plastics, self lock nuts and screws, misaligned holes and fragile components.



Fastening Assurance System

The fastening assurance system provides the ability to verify that all the fasteners in an assembly have been correctly fastened. By comparing the timing of electrical signals from the screwdriver with set parameters, the fastening cycle can be monitored and output signals generated for OK and NOK assembly confirmation. The output signals can then be combined to indicate that all the fasteners on the component have been tightened correctly.

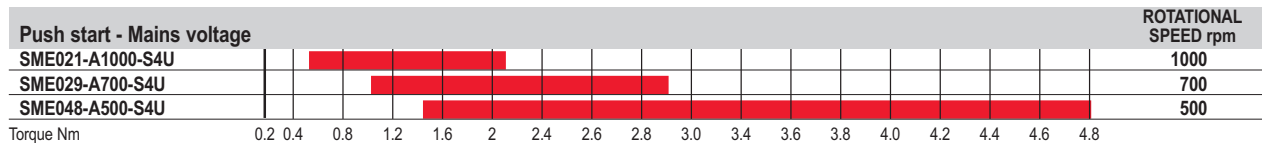
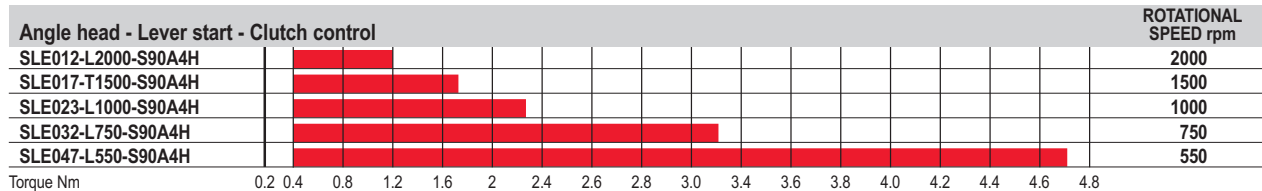
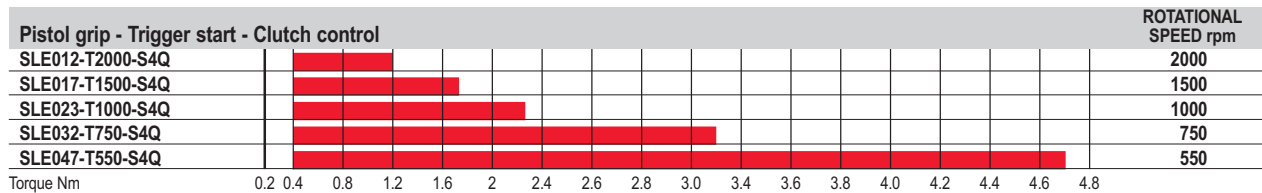
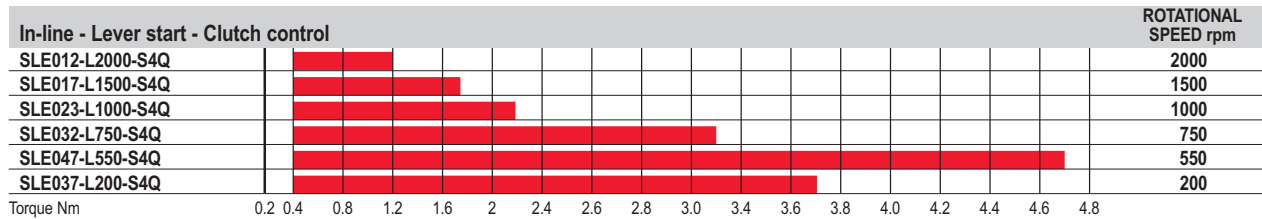
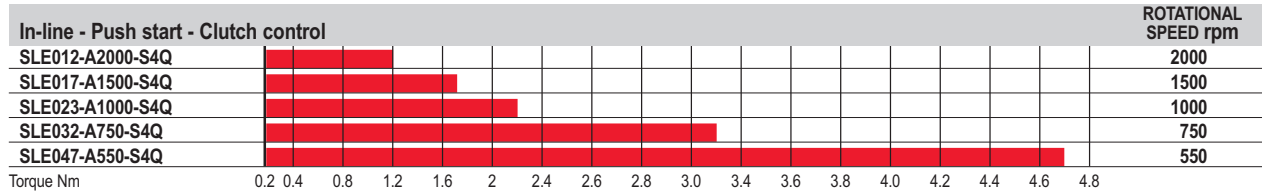
Parameters As per Option 2, 3 and 4 plus enable FAS, enable high current, time limits for FAS, number of screws in a group (FAS), group start (FAS), NOK receipt to disable tool (FAS), permit sequencing of groups
Outputs As per Option 2, 3 and 4 plus n screws OK, n screws NOK
Inputs As per Option 2, 3 and 4 plus reset last, reset all, NOK receipt to acknowledge NOK, group start (maintained during cycle)



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Torque Range

Performance of Electric Screwdrivers - series SLE, SME



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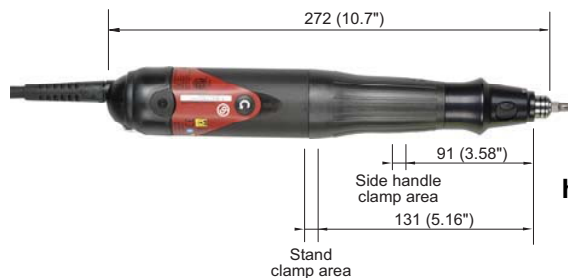
Electric screwdrivers



- Torque control options
 - Clutch control
 - Current to reduce shock loading on the component, permit 4 torques with a single tool, allow high torque during the rundown phase
 - 5 Start options – push, button, lever, trigger, combination* (button/push, lever/push, trigger/push)
- * Not available on angle head tools

SLE - In-line High power screwdriver

0.2 to 4.7 Nm (1.8 to 41.6 in.lb) - 550 to 2000 rpm



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Accessories: see page 55 

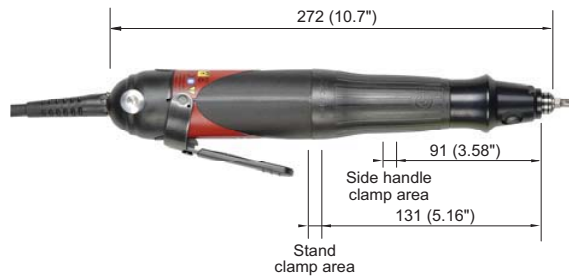
MODEL	PART NUMBER	OUTPUT	FREE	TORQUE RANGE		FITTED SPRING		WEIGHT		VOLTAGE	CONTROLLER
		HEX	SPEED	Nm	in.lb	Nm	in.lb	kg	lb	VDC	
		in.	rpm								
PUSH START - LOW VOLTAGE - CLUTCH CONTROL - SHUT OFF											
SLE012-A2000-S4Q	1464854	1/4	2000	0.2-1.2	1.8-10.6	0.4-1.2	3.5-10.6	0.64	1.4	40	ESP7
SLE017-A1500-S4Q	1464864	1/4	1500	0.2-1.7	1.8-15.0	0.4-1.7	3.5-15.0	0.64	1.4	40	ESP7
SLE023-A1000-S4Q	1464874	1/4	1000	0.2-2.3	1.8-20.3	0.4-2.3	3.5-20.3	0.64	1.4	40	ESP7
SLE032-A750-S4Q	1464884	1/4	750	0.2-3.2	1.8-28.3	1.5-3.2	13.3-28.3	0.64	1.4	40	ESP7
SLE047-A550-S4Q	1464894	1/4	550	0.2-4.7	1.8-41.6	1.5-4.7	13.3-41.6	0.64	1.4	40	ESP7



SLE - In-line High power screwdriver

0.4 to 4.7 Nm (3.5 to 41.6 in.lb) - 200 to 2000 rpm

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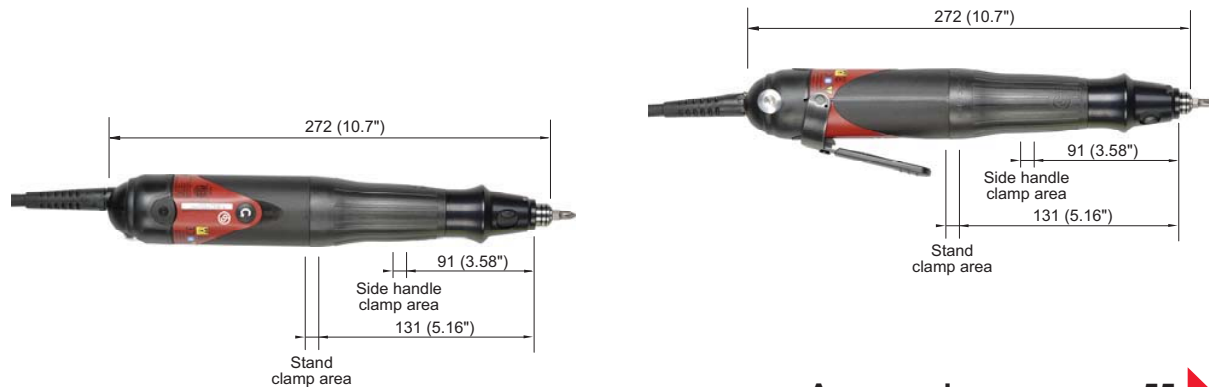


Accessories: see page 55

MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED	TORQUE RANGE		FITTED SPRING		WEIGHT		VOLTAGE	CONTROLLER
		in.	rpm	Nm	in.lb	Nm	in.lb	kg	lb	VDC	
LEVER START - LOW VOLTAGE - CLUTCH CONTROL - SHUT OFF											
SLE012-L2000-S4Q	1464904	1/4	2000	0.4-1.2	3.5-10.6	0.4-1.2	3.5-10.6	0.68	1.5	40	ESP7
SLE017-L1500-S4Q	1464914	1/4	1500	0.4-1.7	3.5-15.0	0.4-1.7	3.5-15.0	0.68	1.5	40	ESP7
SLE023-L1000-S4Q	1464924	1/4	1000	0.4-2.3	3.5-20.3	0.4-2.3	3.5-20.3	0.68	1.5	40	ESP7
SLE032-L750-S4Q	1464934	1/4	750	0.4-3.2	3.5-28.3	1.5-3.2	13.3-28.3	0.68	1.5	40	ESP7
SLE047-L550-S4Q	1464944	1/4	550	0.4-4.7	3.5-41.6	1.5-4.7	13.3-41.6	0.68	1.5	40	ESP7
SLE037-L200-S4Q	615 165 373 0	1/4	200	0.4-3.7	3.5-32.3	1.1-3.7	9.7-32.8	0.68	1.5	40	ESP7

SLE - In-line High power screwdriver

2.0 to 4.5 Nm (17.7 to 39.8 in.lb) - 550 to 1500 rpm



Accessories: see page 55

MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED	TORQUE RANGE HARD JOINT		TORQUE RANGE SOFT JOINT		WEIGHT		VOLTAGE	CONTROLLER
		in.	rpm	Nm	in.lb	Nm	in.lb	kg	lb	VDC	
PUSH START - LOW VOLTAGE - CURRENT CONTROL - SHUT OFF											
SLE026-A1500-C4Q	1465414	1/4	1500	2.0-2.6	17.7-23.0	1.4-1.6	12.3-14.1	0.6	1.3	40	ESP7
SLE030-A1000-C4Q	1465424	1/4	1000	2.4-3.0	21.2-26.5	1.8-2.1	15.9-18.5	0.6	1.3	40	ESP7
SLE036-A750-C4Q	1465434	1/4	750	2.4-3.6	21.2-31.8	1.8-2.8	15.9-24.7	0.6	1.3	40	ESP7
SLE045-A550-C4Q	1465444	1/4	550	2.4-4.5	21.2-39.8	1.9-3.8	16.8-33.6	0.6	1.3	40	ESP7
LEVER START - LOW VOLTAGE - CURRENT CONTROL - SHUT OFF											
SLE026-L1500-C4Q	1465884	1/4	1500	2.0-2.6	17.7-23.0	1.4-1.6	12.3-14.1	0.64	1.4	40	ESP7
SLE030-L1000-C4Q	1465894	1/4	1000	2.4-3.0	21.2-26.5	1.8-2.1	15.9-18.5	0.64	1.4	40	ESP7
SLE036-L750-C4Q	1465904	1/4	750	2.4-3.6	21.2-31.8	1.8-2.8	15.9-24.7	0.64	1.4	40	ESP7
SLE045-L550-C4Q	1465914	1/4	550	2.4-4.5	21.2-39.8	1.9-3.8	16.8-33.6	0.64	1.4	40	ESP7



SLE - Pistol grip High power screwdriver

0.4 to 4.7 Nm (3.5 to 41.6 in.lb) - 550 to 2000 rpm

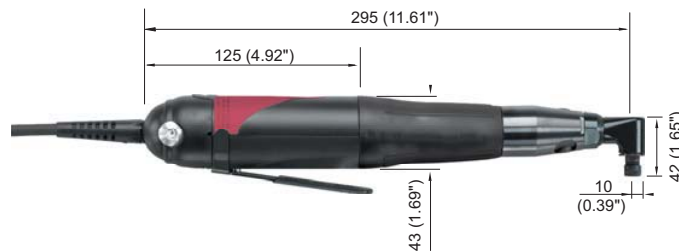


Accessories: see page 55 

MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED	TORQUE RANGE		FITTED SPRING		WEIGHT		VOLTAGE	CONTROLLER
		in.	rpm	Nm	in.lb	Nm	in.lb	kg	lb	VDC	
TRIGGER START - LOW VOLTAGE - CLUTCH CONTROL - SHUT OFF											
SLE012-T2000-S4Q	1465004	1/4	2000	0.4-1.2	3.5-10.6	0.4-1.2	3.5-10.6	0.71	1.6	40	ESP7
SLE017-T1500-S4Q	1465014	1/4	1500	0.4-1.7	3.5-15.0	0.4-1.7	3.5-15.0	0.71	1.6	40	ESP7
SLE023-T1000-S4Q	1465024	1/4	1000	0.4-2.3	3.5-20.3	0.4-2.3	3.5-20.3	0.71	1.6	40	ESP7
SLE032-T750-S4Q	1465034	1/4	750	0.4-3.2	3.5-28.3	1.5-3.2	13.3-28.3	0.71	1.6	40	ESP7
SLE047-T550-S4Q	1465044	1/4	550	0.4-4.7	3.5-41.6	1.5-4.7	13.3-41.6	0.71	1.6	40	ESP7

SLE - Angle head High power screwdriver

0.4 to 4.7 Nm (3.5 to 41.6 in.lb) - 550 to 2000 rpm



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Accessories: see page 55 

MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED	TORQUE RANGE		FITTED SPRING		WEIGHT		VOLTAGE	CONTROLLER
		in.	rpm	Nm	in.lb	Nm	in.lb	kg	lb	VDC	
LEVER START - LOW VOLTAGE - CLUTCH CONTROL - SHUT OFF											
SLE012-L2000-S90A4H	1464954	1/4	2000	0.4-1.2	3.5-10.6	0.4-1.2	3.5-10.6	0.81	1.8	40	ESP7
SLE017-L1500-S90A4H	1464964	1/4	1500	0.4-1.7	3.5-15.0	0.4-1.7	3.5-15.0	0.81	1.8	40	ESP7
SLE023-L1000-S90A4H	1464974	1/4	1000	0.4-2.3	3.5-20.3	0.4-2.3	3.5-20.3	0.81	1.8	40	ESP7
SLE032-L750-S90A4H	1464984	1/4	750	0.4-3.2	3.5-28.3	1.5-3.2	13.3-28.3	0.81	1.8	40	ESP7
SLE047-L550-S90A4H	1464994	1/4	550	0.4-4.7	3.5-41.6	1.5-4.7	13.3-41.6	0.81	1.8	40	ESP7



SME - Electric screwdrivers

0.5 to 4.8 Nm (4.4 to 42.5 in.lb) - 500 to 1000 rpm



Recommended duty cycle, maximum 24 screws per minute

Accessories: see page 55 

MODEL	PART NUMBER	OUTPUT HEX	FREE SPEED	TORQUE RANGE		LENGTH		WEIGHT		VOLTAGE
		in.	rpm	Nm	in.lb	mm	in.	kg	lb	VAC
PUSH START - MAINS VOLTAGE										
SME021-A1000-S4U	1458554	1/4	1000	0.5-2.1	4.4-18.6	264	10.4	1.05	2.31	230
SME029-A700-S4U	1458604	1/4	700	1.0-2.9	8.9-25.6	269	10.6	1.05	2.31	230
SME048-A500-S4U	1458624	1/4	500	1.47-4.8	13.0-42.5	269	10.6	1.05	2.31	230
For North American Market (Canada & Mexico)										
SME021-A1000-S4U	1462224	1/4	1000	0.5-2.1	4.4-18.6	264	10.4	1.05	2.31	120
SME029-A700-S4U	1462234	1/4	700	1.0-2.9	8.9-25.6	269	10.6	1.05	2.31	120
SME048-A500-S4U	1462244	1/4	500	1.47-4.8	13.0-42.5	269	10.6	1.05	2.31	120

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