

Low Voltage (DC)  
 Brush motor    Brushless motor  
 Miniature screw    Precision screw    Machine screw  
 2.6 - 6.0 mm



# DLV7500/8500 Series



## Features

**Low vibration, low noise, and easy gripping in a compact design**

- The easily visible torque reach light goes on when the set torque is reached
- The combination of an advanced clutch design and the auto-stop circuit assures torque accuracy
- The long life motor with a yoke made of advanced materials further assures a long service life
- Compliant with CE standard
- ESD (electrostatic discharge) protection structure (DLV7500/8500-BKE)

## Specifications

Model	Standard Type	Standard		High Torque		Standard		High Torque			
	ESD Protection Type	DLV7530-MKE	DLV7540-MKE	DLV7550-MKE	DLV8530-MKE	DLV8540-MKE	DLV8550-MKE	DLV8530-BKE	DLV8540-BKE	DLV8550-BKE	
Electric Screwdriver	Starting Method	Lever Start				Push to Start					
	Input Voltage	59 V DC									
	Torque Adjustment	Stepless									
	Torque (Nm [lbf-in])	0.5 - 1.7 [4.4 - 15.1]	1.2 - 2.7 [10.6 - 23.9]	2.0 - 4.5 [17.7 - 39.8]	0.5 - 1.7 [4.4 - 15.1]	1.2 - 2.7 [10.6 - 23.9]	2.0 - 4.5 [17.7 - 39.8]	0.5 - 1.7 [4.4 - 15.1]	1.2 - 2.7 [10.6 - 23.9]	2.0 - 4.5 [17.7 - 39.8]	
	Free Speed (min <sup>-1</sup> )	1100	700	500	1100	700	500	1100	700	500	
	Screw Size (mm)	Machine Screw	2.6 - 4.0	3.5 - 5.0	4.5 - 6.0	2.6 - 4.0	3.5 - 5.0	4.5 - 6.0	2.3 - 3.5	3.0 - 4.0	4.0 - 5.0
		Tapping Screw	2.3 - 3.5	3.0 - 4.0	4.0 - 5.0	2.3 - 3.5	3.0 - 4.0	4.0 - 5.0	2.3 - 3.5	3.0 - 4.0	4.0 - 5.0
	Mass (g [lbs])	650 [1.43]		750 [1.65]		650 [1.43]		750 [1.65]			
	Bit Type										
		unit: mm									

Measurement Point	Conventional Product	DLV7500/8500-BKE	
Handle	Static Electricity (V)	350	5
	Surface Resistance (Ω)	more than 10 <sup>13</sup>	10 <sup>4</sup>
Lever Switch	Static Electricity (V)	350	2
	Surface Resistance (Ω)	more than 10 <sup>13</sup>	10 <sup>4</sup>
Forward / Reverse Switch	Static Electricity (V)	25	2
	Surface Resistance (Ω)	110	5
Connection Cable	Static Electricity (V)	110	5
	Surface Resistance (Ω)	more than 10 <sup>13</sup>	10 <sup>10</sup>

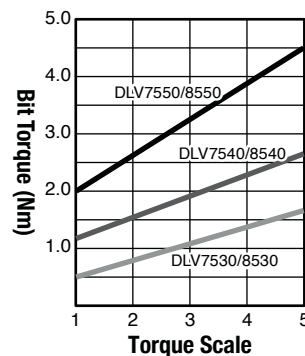
Part	Material
Handle Lever Switch	Synthetic resin with carbon fiber
Power Cable	Anti-static material

\* Measurement conditions (Temperature: 22 °C Humidity: 66 %)  
 (1) Static electricity • Earth the measurement equipment and measuring person.  
 • Grip the screwdriver five times using Ansel Edmont electronic control glove.  
 • Turn on the switch of the screwdriver. • Measure each part of the screwdriver using electronic measurement equipment manufactured by Shishido electrostatic Ltd.  
 (2) Surface resistance • Measure using Simco Japan surface resistivity measurement equipment.

## Standard Accessories

Model	DLV7530 / 7540 / 8530 / 8540	DLV7550 / 8550	
Bit	No.1 × 7 × 75	1	-
	No.2 × 7 × 75	1	1
	No.3 × 7 × 50	-	1
Spare Carbon Brush	2		
Connection Cable	1		
Suspension Bail	1		

## Torque Diagrams (for reference)



## External Dimensions

•DLV7500 series

•DLV8500 series

unit: mm [inch]

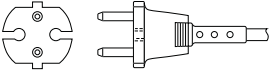


DLC4511-GGB



DLR1510-JE

**Specifications**

Model	DLC4511-GGB	DLR1510-JE	
Controller	<b>Function</b> Stepless speed adjustment 80 - 100 % Soft start: adjustable time setting of slow speed (max. 3 sec.) External output signals: start and torque up Electro-static discharge(ESD) control	Screw counting: OK lamp and buzzer for notification Variable non-operation time Setting protection by key lock switch Setting by touch switch for easy operation External output signals: Start, Torque up, Count up & Cycle OK	
	<b>Input Voltage</b>	230 V AC, 50/60 Hz	
	<b>Mass</b> (g [lbs])	3500 [7.72]	5100 [11.24]
	<b>Plug Shape</b>	Europe 	

**External Dimensions**

