

DLV7500/8500 series

■ For Machine Screws (2.6 - 6.0 mm)

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 compliant with IEC61340-5-1 (BKE models)



DLC4511-GGB



DLR1510-JE

Specifications

| Model | Standard | Standard | | High Torque | Standard | | High Torque |
|---------------------------------|---------------|-------------|-------------|-------------|---------------|-------------|-------------|
| | ESD | DLV7530-MKE | DLV7540-MKE | DLV7550-MKE | DLV8530-MKE | DLV8540-MKE | DLV8550-MKE |
| Starting Method | | Lever Start | | | Push to Start | | |
| Input Voltage | | 59 V DC | | | | | |
| Torque Adjustment | | Stepless | | | | | |
| Torque (Nm) | | 0.5 - 1.7 | 1.2 - 2.7 | 2.0 - 4.5 | 0.5 - 1.7 | 1.2 - 2.7 | 2.0 - 4.5 |
| Free Speed (min ⁻¹) | | 1,100 | 700 | 500 | 1,100 | 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 |
| | 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 |
| Bit Type (mm) | | | | | | | |
| Mass (g) | | 650 | | 750 | 650 | | 750 |

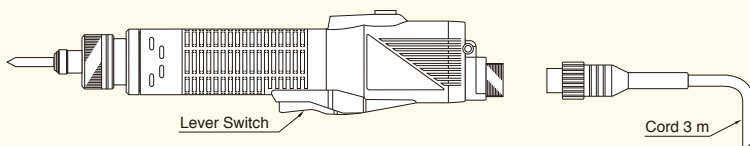
| Measurement point | | Conventional product | DLV7500/8500-BKE |
|--------------------------|----------------------------|----------------------------|------------------------|
| | | Handle | Static Electricity (V) |
| Surface Resistance (Ω) | more than 10 ¹³ | | 10 ⁴ |
| Lever Switch | Static Electricity (V) | 350 | 2 |
| | Surface Resistance (Ω) | more than 10 ¹³ | 10 ⁴ |
| Forward / Reverse Switch | Static Electricity (V) | 25 | 2 |
| | Surface Resistance (Ω) | more than 10 ¹³ | 10 ¹⁰ |

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

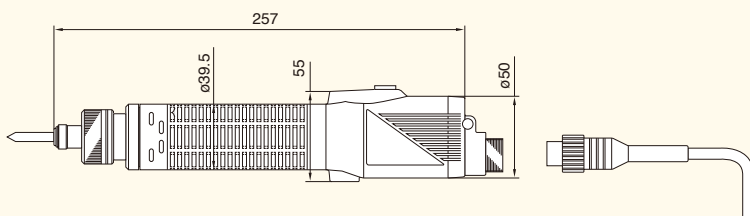
* Measurement conditions (Temperature:22 °C Humidity:66 %)
 (1) Static electricity •Earth the measurement equipment and measuring person.
 •Grip the screwdriver five times using Ansel Edmont electronic control glove.
 •Turn on the switch of the screwdriver. •Measure each part of the screwdriver using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

External Dimensions

DLV7500 series

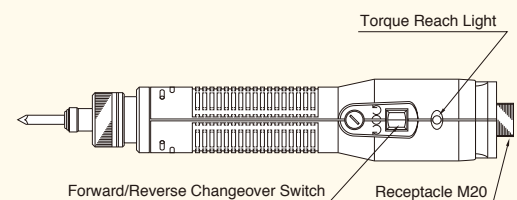


DLV8500 series



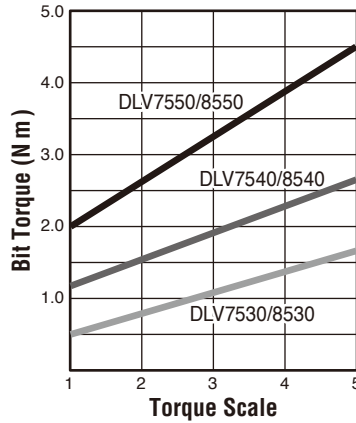
Standard Accessories

| Bit | No. | 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 |



Unit: mm

Torque Diagram (for reference)



Specifications

| Model | DLC4511-GGB | DLR1510-JE |
|----------------------|--|---|
| Function | 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 |
| Input Voltage | 230 V AC, 50/60 Hz | |
| Mass (kg) | 3.5 | 5.1 |
| Plug Shape | Europe | |

External Dimensions

●DLC4511-GGB

Speed Adjustment Volume
Soft Start Adjustment Volume
Receptacle
Power Switch
Output Terminal

●DLR1510-JE

Number Setting/Counting, Time Setting Display
Touch Switch
Receptacle
Key Lock Switch
Power Switch
Terminal Block
Fuse Holder

Unit: mm

