

DLV7500/8500 SERIES – for Miniature 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)



Specifications

| Model | Standard | | High Torque | | Standard | | High Torque |
|---------------------------------|---------------|-------------|-------------|---------------|-------------|-------------|-------------|
| | DLV7530-MKE | DLV7540-MKE | DLV7550-MKE | DLV8530-MKE | DLV8540-MKE | DLV8550-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 | 2.0 - 4.5 |
| Free Speed (min ⁻¹) | 1,100 | 700 | 500 | 1,100 | 700 | 500 | 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 | 750 |

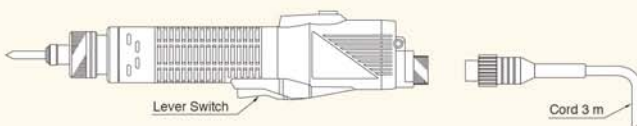
| Measurement point | Conventional product | DLV7500/8500-BKE | |
|--------------------------|------------------------|----------------------------|------------------|
| Handle | Static Electricity (V) | 350 | 5 |
| | Surface Resistance (Ω) | more than 10 ¹³ | 10 ⁴ |
| Lever Switch | Static Electricity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

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

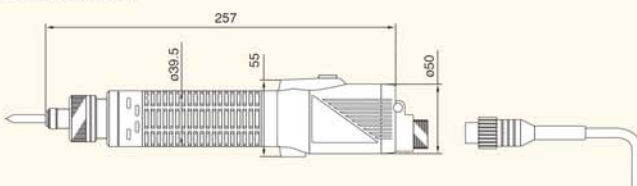
* Measurement conditions (Temperature 22 °C Humidity 66 %)
 (1) Static electricity • Earth the measurement equipment and measuring person.
 • Grip the screwdriver five times using Ansel Edmont electronic control glove.
 • Turn on the switch of the screwdriver. • Measure each part of the screwdriver using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

External Dimensions

DLV7500 series

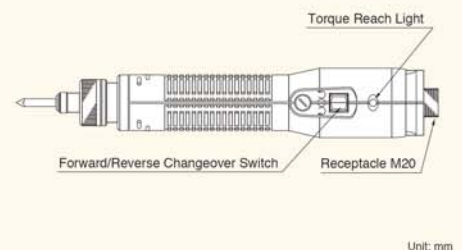


DLV8500 series



Standard Accessories

| 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 | | |

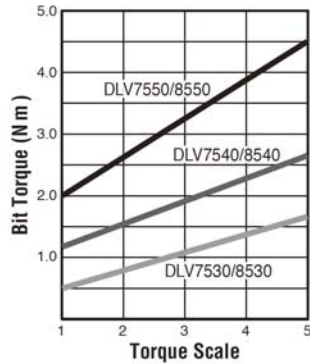


Unit: mm

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Torque Diagram (for reference)



Specifications

| Model | | DLC4511-GGB | DLR1510-JE |
|------------|---------------|--|---|
| Controller | 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 | <p>Europe</p> | |

External Dimensions

