

Low Voltage (DC)
 Brush motor / Brushless motor
 Miniature screw / Precision screw / Machine screw
 1.0 to 2.6 mm

See page 57 for External Dimensions



DLV7419A
DLV7419HA
DLV7429A

DLV7400A Series

Features

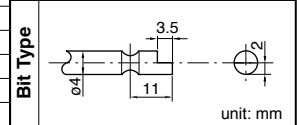
The light and compact body reduces operator fatigue

- Reduces shock applied to workpieces when fastening screws
- ESD (electrostatic discharge) protection structure
- Lightweight (Standard type 230 g, Clean room type 275 g)
- The Clean Room Type complies with Class 3 Clean Room Rating
- The controller can adjust speed (Screw-fastening speed can be set to suit specific fastening conditions)
- The controller provides a soft start function
- The initial speed at screwdriver startup can therefore be slowed down, effectively preventing screw heads from being scratched
- The built-in coreless motor achieves reduced inertia
- Torque accuracy is within a top-ranked worldwide level (Based on measurements at our laboratory)
- Compliant with CE standards
- Use of the Screw Fastening Counter prevents human fastening errors and enhances accurate fastening control (No CE marking applied)
- Screw Fastening Counter Model DLR5640-WN works in conjunction with any dedicated SPC-type electric screwdrivers

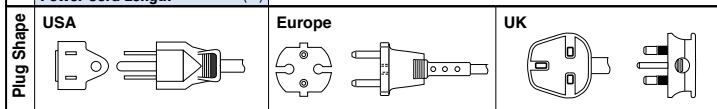


Specifications

Model	Standard Type	DLV7410A-BME	DLV7410HA-BME	DLV7420A-BME
	For Clean Room Use (with built-in vacuum pickup)	DLV7419A-BME	DLV7419HA-BME	DLV7429A-BME
Starting Method	Lever Start			
Power Source	From dedicated controller			
Torque Adjustment	Stepless			
Torque (Nm [lbf * in])	0.02 to 0.2 [0.2 to 1.8]		0.15 to 0.4 [1.3 to 3.5]	
Free Speed (min ⁻¹)	500 to 750		700 to 1000	
Power Consumption (W)	Approx. 10			
Screw Size (mm)	Machine Screw	1.0 to 2.3		1.6 to 2.6
	Tapping Screw	1.0 to 2.0		1.4 to 2.3
Mass (g [lbs])	Standard Type 230 [0.51] / Clean Room Type 275 [0.61]			
Rated Operation	ON: 0.5 seconds / OFF: 3.5 seconds			
Bit Grounding	Equipped as standard			



Model	DLC1110-EN	DLC1110-FE	DLC1110-GE	DLC1110-GG	DLC1110-HE	DLC1213A-GGB*1	DLC1213A-HEB*1
Features	Non-CE	Non-CE	Non-CE	CE	CE	CE	Non-CE
Power Source	100 V AC, 50/60 Hz	115 V AC, 50/60 Hz	220 V AC, 50/60 Hz	230 V AC, 50/60 Hz	240 V AC, 50/60 Hz	230 V AC, 50/60 Hz	240 V AC, 50/60 Hz
Control Function	Soft Start, Speed Control, ESD Protected						
Output Voltage	40 V DC						
Mass (g [lbs])	900 [1.98]						2300 [5.07]
Plug Shape	USA	USA	UK	Europe	UK	Europe	UK
Power Cord Length (m)	2						



*1: An optional cord DLW9072 is required to connect with this model. Neither DLC1213A-GG nor DLC1213A-HE can be used with the DLV7400A series.

Model DLC1213A-GGB or DLC1213A-HEB + Cord DLW9072

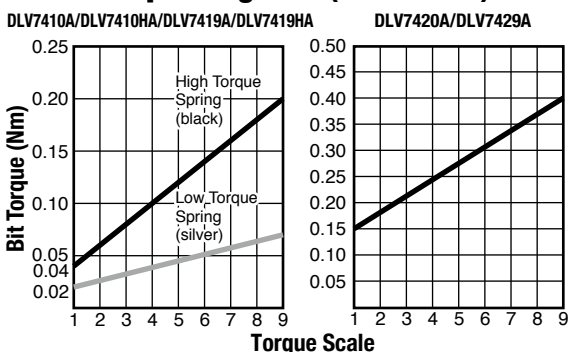
Standard Accessories

Model		DLV7410A/DLV7410HA	DLV7420A	DLV7419A/DLV7419HA	DLV7429A
Bit NK4D	No.0 × 1.8 × 44	1	-	1	-
	No.0 × 2.5 × 44	1	1	1	1
	No.1 × 4 × 44	-	1	-	1
Connection Cord DLW9070 (1.5 m)		1	1	1	1
Low Torque Spring		1	-	1	-
Suspension Bail		1	1	1	1
Vacuum Sleeve	DLS2120	-	-	1	1
	DLS2124	-	-	1	1

Optional Accessories

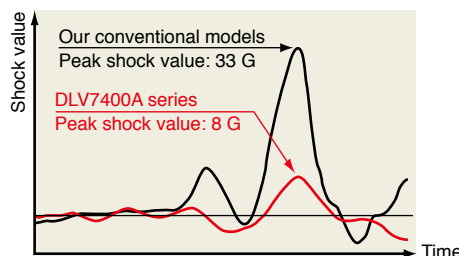
Sleeve for Vacuum Pickup DLS2000 Series Select according to the screw shape See page 49	Vacuum Pickup DLP5300 For screw vacuum pickup *DLS2120/DLS2124 included See page 49
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Torque Diagrams (for reference)



Shock Waveform Comparison between the 7400A series and our conventional models

Value of shock applied to the workpiece as measured using acceleration pickup.



Torque Adjustment Ring Cover DLW5700

This minimizes tampering or accidental turning of the torque adjustment ring once the torque is set.