DLV7400A Series CE

Features

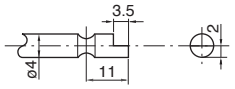
The light and compact body reduces operator fatigue

- 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

Electric Screwdriver	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	450 to 600
	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		

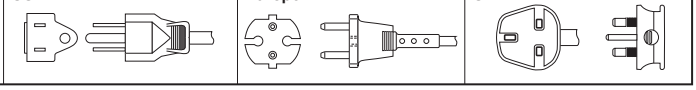
Bit Type



unit: mm

Controller	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						

Plug Shape



*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

See page 49

Select according to the screw shape

Vacuum Pickup DLP5300

See page 49

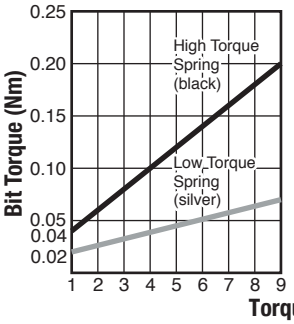
For screw vacuum pickup
*DLS2120/DLS2124 included

Torque Adjustment Ring Cover DLW5700

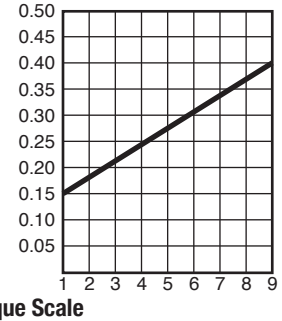
This minimizes tampering or accidental turning of the torque adjustment ring once the torque is set.

Torque Diagrams (for reference)

DLV7410A/DLV7410HA/DLV7419A/DLV7419HA



DLV7420A/DLV7429A



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

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