

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



Clean room adaption  
 DLV7419A  
 DLV7419HA  
 DLV7429A



# DLV7400A Series CE



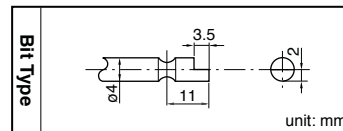
## Features

### The light and compact body reduces operator fatigue

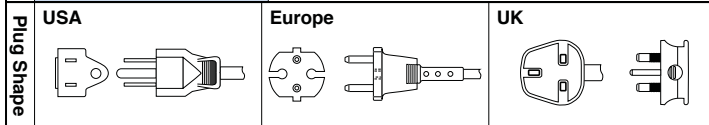
- Reduces shock applied to workpieces when fastening screws
- ESD (electrostatic discharge) protection structure
- Lightweight (Standard type 230 g, Clean room type 275 g)
- The Clean Room Type complies with Class 3 Clean Room Rating
- The controller can adjust speed (Screw-fastening speed can be set 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 or CCC 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
	Clean Room Type	DLV7419A-BME	DLV7419HA-BME	DLV7429A-BME
<b>Starting Method</b>	Lever Start			
<b>Input Voltage</b>	40 V DC			
<b>Torque Adjustment</b>	Stepless			
<b>Torque</b> (Nm [lbf-in])	0.02 - 0.2 [0.2 - 1.8]		0.15 - 0.4 [1.3 - 3.5]	
<b>Free Speed</b> (min <sup>-1</sup> )	500 - 750	700 - 1000	450 - 600	
<b>Power Consumption</b> (W)	Approx. 10			
<b>Screw Size</b> (mm)	Machine Screw	1.0 - 2.3		1.6 - 2.6
	Tapping Screw	1.0 - 2.0		1.4 - 2.3
<b>Mass</b> (g [lbs])	Standard Type 230 [0.51] / Clean Room Type 275 [0.61]			



Model	DLC1110-EN	DLC1110-FE	DLC1110-GE	DLC1110-HE	DLC1213A-GGB*1	DLC1213A-HEB*1
<b>Features</b>	Standard	Standard	Standard	With CE Mark	With CE Mark	With CE Mark
<b>Input Voltage</b>	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	240 V AC, 50/60 Hz
<b>Control Function</b>	Soft Start, Speed Control, ESD Protected					
<b>Plug Shape</b>	USA	USA	UK	Europe	UK	Europe
<b>Mass</b> (g [lbs])	900 [1.98]			2300 [5.07]		



\*1: An optional cord 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

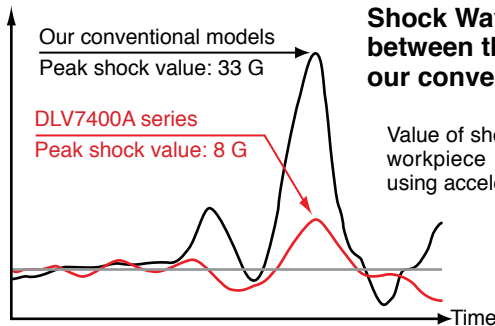
Model	DLV7410A/DLV7410HA	DLV7420A	DLV7419A/DLV7419HA	DLV7429A
<b>Bit</b>	No.0 x 1.8 x 44	1	-	1
	No.0 x 2.5 x 44	1	1	1
	No.1 x 4 x 44	-	1	1
<b>Connection Cable DLW9070</b>	1	1	1	1
<b>Spring for Low Torque</b>	1	-	1	-
<b>Suspension Bail</b>	1	1	1	1
<b>Sleeve for Vacuum DLS2124</b>	-	-	1	1

## Optional Accessories



\* Please see page 39 for details.

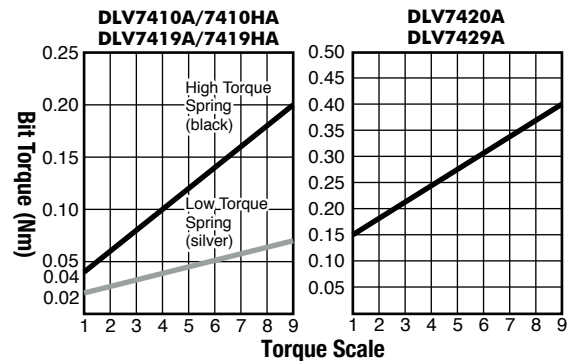
## Shock value



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

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

## Torque Diagrams (for reference)



## External Dimensions

