

# DLV7400A series

■ For Miniature Screws (1.0 - 2.6 mm)

## Features

The light and compact body reduces operator fatigue

- Reduces shock applied to workpieces when fastening screws
- ESD (electrostatic discharge) protection compliant with IEC61340-5-1
- 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



DLV7419A/7419HA/  
7429A-BME

DLV7410A-BME

DLV7410HA-BME

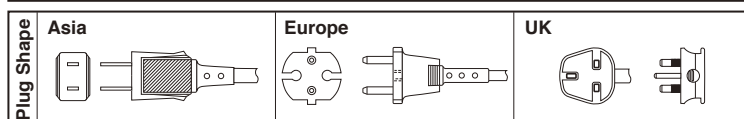
DLV7420A-BME

DLC1110-GG/HE

## Specifications

Model	Standard Type	DLV7410A-BME	DLV7410HA-BME	DLV7420A-BME
	Clean Room Type	DLV7419A-BME	DLV7419HA-BME	DLV7429A-BME
Starting Method	Lever Start			
Input Voltage	40 V DC			
Torque Adjustment	Stepless			
Torque (Nm)	0.02 - 0.2		0.15 - 0.4	
Free Speed (min <sup>-1</sup> )	500 - 750		700 - 1,000	
Power Consumption (W)	Approx. 10			
Screw Size (mm)	Machine Screw	1.0 - 2.3		1.6 - 2.6
	Tapping Screw	1.0 - 2.0		1.4 - 2.3
Bit Type				
Mass (g)	Standard type 230 / Clean room type 275			

Model	DLC1110-EN	DLC1110-FE	DLC1110-GE	DLC1110-GG	DLC1110-HE	DLC1213A-GGB*1	DLC1213A-HEB*1
Features	Standard	Standard	Standard	With CE Mark	With CE Mark	With CE Mark	Standard
Input Voltage	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						
Plug Shape	Asia	Asia	UK	Europe	UK	Europe	UK
Mass (g)	900						2,300



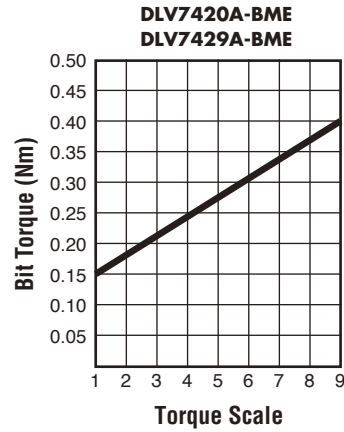
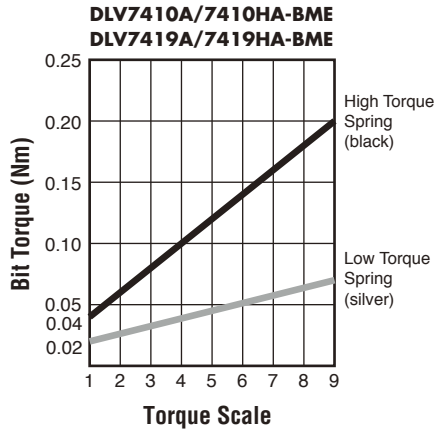
\*1: An optional cord is required to connect with this model.  
Neither DLC1213A-GG nor DLC1213A-HE can be used with the DLV7400A series.

Model DLC1213A-GGB or DLC1213A-HEB + Cord DLW9072

## Standard Accessories

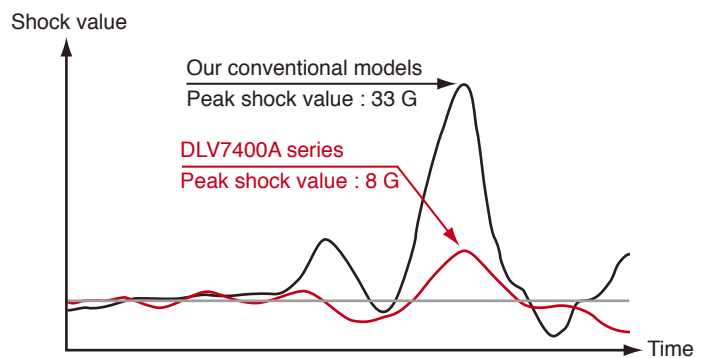
No.	DLV7410A	DLV7410HA	DLV7420A	DLV7419A	DLV7419HA	DLV7429A
Bit						
No.0 x 1.8 x 44	1	1	-	1	1	-
No.0 x 2.5 x 44	1	1	1	1	1	1
No.1 x 4 x 44	-	-	1	-	-	1
Connection Cable DLW9070	1	1	1	1	1	1
Spring for Low Torque	1	1	-	1	1	-
Suspension Bail	1	1	1	1	1	1
Sleeve for Vacuum DLS2124	-	-	-	1	1	1

## Torque Diagrams (for reference)



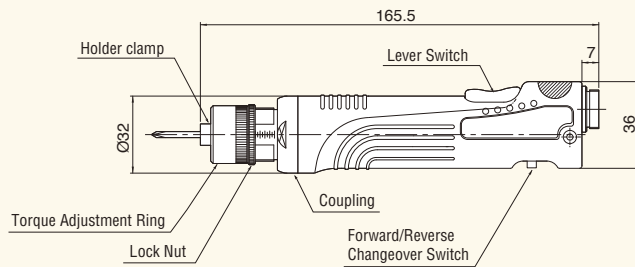
### Shock Waveform Comparison between the 7400A series and our conventional models

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

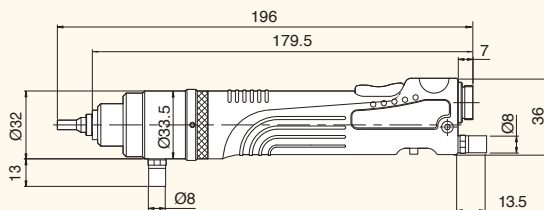


## External Dimensions

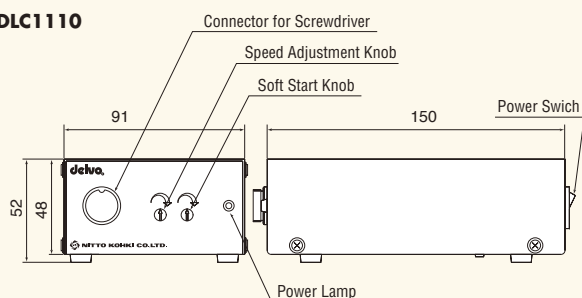
### ●DLV7410A/7410HA/7420A-BME



### ●DLV7419A/7419HA/7429A-BME



### ●DLC1110

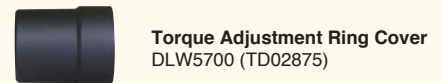


Unit: mm

## Optional Accessories



\* Please see page 32 for details.



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