

DLV7400A SERIES - for Miniature Screws (1.0 – 2.6 mm)

Features

The light and compact body reduces operator fatigue

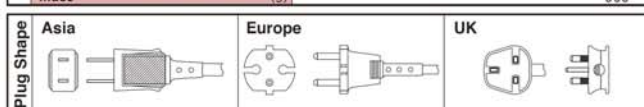
- Reduces shock applied to workpieces when fastening screws
- ESD (electrostatic discharge) protection compliant with IEC61340-5-1
- Lightweight (Standard type 230 g, Clean room type 275 g)
- The Clean Room Type complies with Class 3 Clean Room Rating
- The controller can adjust speed (Screw-fastening 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



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 ⁻¹)		500 - 750		700 - 1,000		450 - 600	
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 (mm)							
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

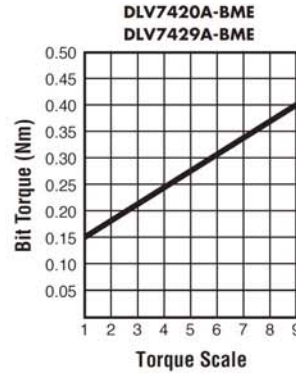
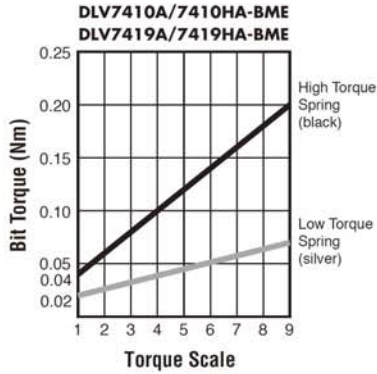
Standard Accessories

No.	DLV7410A	DLV7410HA	DLV7420A	DLV7419A	DLV7419HA	DLV7429A
Bit No.0 × 1.8 × 44	1	1	-	1	1	-
Bit No.0 × 2.5 × 44	1	1	1	1	1	1
Bit No.1 × 4 × 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

Last update 03/2015

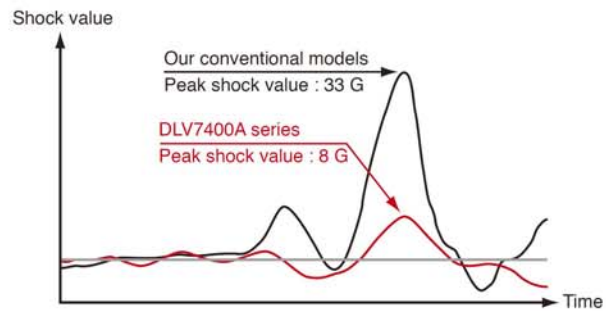
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Torque Diagrams (for reference)



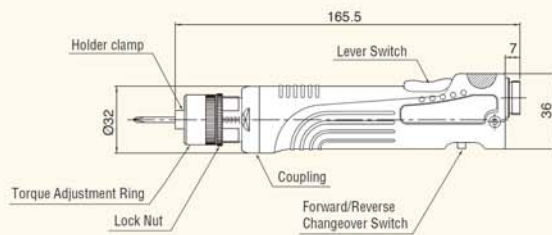
Shock Waveform Comparison between the 7400A series and our conventional models

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

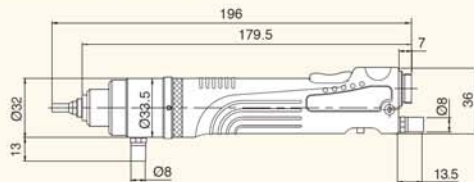


External Dimensions

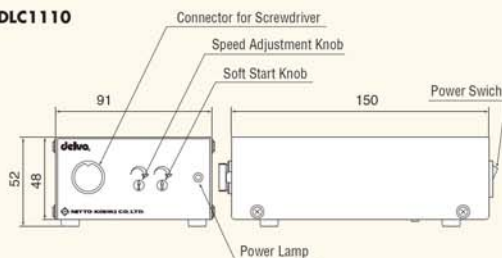
● DLV7410A/7410HA/7420A-BME



● DLV7419A/7419HA/7429A-BME



● DLC1110



Unit: mm

Optional Accessories



Sleeve

Vacuum Pickup
DLP5300 (TD04342)

* Please see page 32 for details.



Torque Adjustment Ring Cover
DLW5700 (TD02875)

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