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

Lever Start | Low Voltage | Grounded Bit | ESD Protection | Low Shock | Variable Speed | Soft Start

Clean room adaption: DLV7419A, DLV7419HA, DLV7429A

delvo

DLV7400A Series

Features

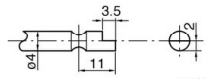
The light and compact body reduces operator fatigue

- 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 or CCC 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
		Clean Room Type	DLV7419A-BME	DLV7419HA-BME	DLV7429A-BME
	Starting Method		Lever Start		
	Input Voltage		40 V DC		
	Torque Adjustment		Stepless		
	Torque	(Nm [lbf·in])	0.02 - 0.2 [0.2 - 1.8]		0.15 - 0.4 [1.3 - 3.5]
	Free Speed	(min^{-1})	500 - 750	700 - 1000	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
	Mass	(g [lbs])	Standard Type 230 [0.51] / Clean Room Type 275 [0.61]		

Bit Type

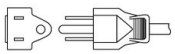


unit: mm

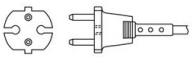
Controller	Model	DLC1110-EN	DLC1110-FE	DLC1110-GE	DLC1110-GG	DLC1110-HE	DLC1213A-GGB*1	DLC1213A-HEB*1
	Features	Standard	Standard	Standard	With CE Mark	With CE Mark	With CE Mark	Standard
	Input Voltage	100 V AC, 50/60 Hz	115 V AC, 50/60 Hz	220 V AC, 50/60 Hz	230 V AC, 50/60 Hz	240 V AC, 50/60 Hz	230 V AC, 50/60 Hz	240 V AC, 50/60 Hz
	Control Function	Soft Start, Speed Control, ESD Protected						
	Plug Shape	USA	USA	UK	Europe	UK	Europe	UK
	Mass (g [lbs])	900 [1.98]					2300 [5.07]	

Plug Shape

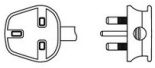
USA



Europe



UK



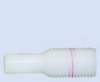
*1: An optional cord DLW9072 is required to connect with this model. Neither DLC1213A-GG nor DLC1213A-HE can be used with the DLV7400A series.

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	1	1	1
Low Torque Spring		1	-	1	-
Suspension Bail		1	1	1	1
Vacuum Sleeve	DLS2120	-	-	1	1
	DLS2124	-	-	1	1

Optional Accessories

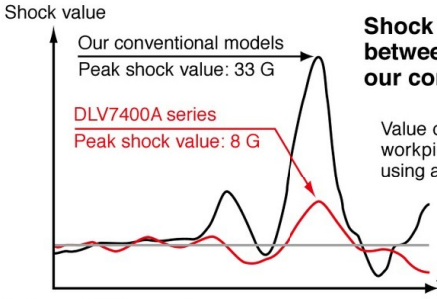


Sleeve

Vacuum Pickup
DLP5300 (TD04342)

Torque Adjustment Ring Cover
DLW5700 (TD02875)

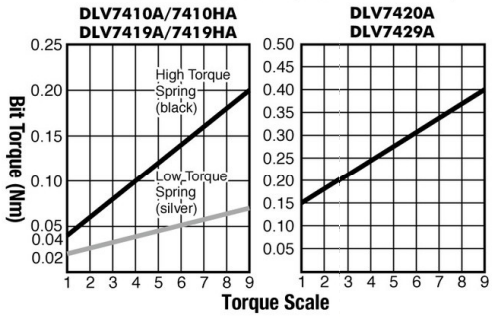
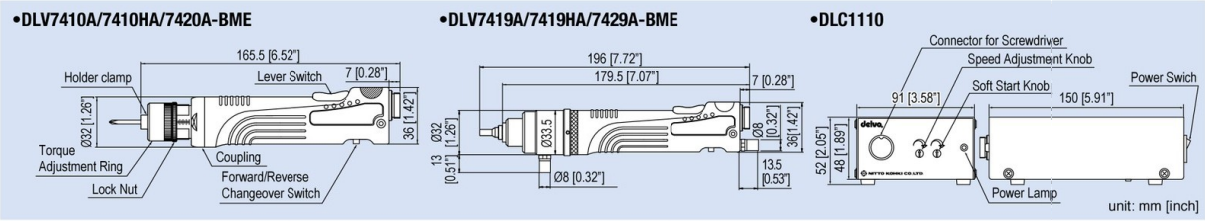
* Please see page 39 for details.



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