

DLV30/45/70 automation series ■ For Machine Screws (2.6 - 8.0 mm)

Features

For automatic assembly robot

- Three series of screwdrivers can be mounted on the XY robot
- Automatic screw tightening achieves a labor-saving or unattended process
- Long-life brushless motors are incorporated in the electric screwdrivers
- Standard coupling, flange coupling, and left-hand thread coupling are available for installation
- The electric screwdriver generates the torque-up signal
- The screwdrivers can be connected to a sequencer to control starting, forward rotation, and reverse rotation
- An electrical noise preventive measure is employed to avoid malfunction. Each input/output signal is insulated from a screwdriver's internal circuit by a photocoupler.



DLV30LAF-DJN

A Vacuum Pickup is optional.

DLV45LAF-DKN

Specifications

		30 series			45 series(High Torque)		70 series(High Torque)
		Low Speed	Standard	High Speed	Low Speed	Standard	Low Speed
Model	Standard coupling	DLV30LAN-DJN	DLV30SAN-DJN	DLV30HAN-DJN	DLV45LAN-DKN	DLV45SAN-DKN	DLV70LAN-DKN
	Coupling with flange	DLV30LAF-DJN	DLV30SAF-DJN	DLV30HAF-DJN	DLV45LAF-DKN	DLV45SAF-DKN	DLV70LAF-DKN
	Coupling with M41 screw	DLV30LAM-DJN	DLV30SAM-DJN	DLV30HAM-DJN	DLV45LAM-DKN	DLV45SAM-DKN	DLV70LAM-DKN
Torque (Nm)		Low torque spring (Accessory) 0.4 - 1.6			2.0 - 4.5		3.8 - 7.0
		High torque spring (Installed) 1.2 - 3.0					
Free Speed (min ⁻¹)		650	1,200	2,000	650	1,200	650
Screw Size (mm)	Machine Screw	2.6 - 5.0			4.5 - 6.0		5.0 - 8.0
	Tapping Screw	2.5 - 4.0			4.0 - 5.0		4.5 - 6.0
Mass (g)	Standard coupling	700			780		
	Coupling with flange	760			840		
	Coupling with M41 screw	740			820		
Power Consumption (W)		45					
Input Voltage		100 V AC, 50/60 Hz					
Starting Method		External input signal					
Input signal		Start signal / Forward signal / Reverse signal (5 - 24 V DC)					
Output signal		Torque-up signal (Voltage under 30 V DC and current 20 mA)					
Bit Type (mm)							
Standard Accessories		Bit NK31 × 2 × 6 × 70: 1 pc. Low torque spring: 1 pc.			Bit NK35 × 2 × 7 × 75: 1 pc.		

*1 : DLV30 series is available upon request for use with 6.35 mm hex. shank bits.

Optional Accessories

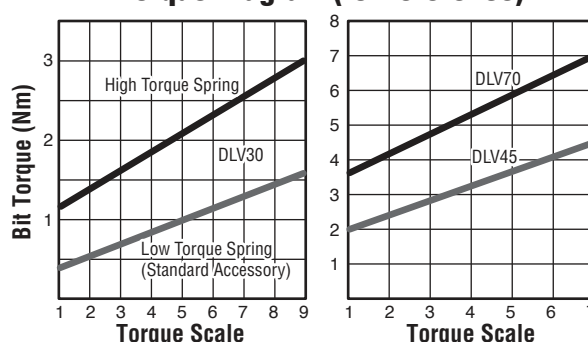


Vacuum Pickup
DLP7400(M3/M4 screws)
DLP7400 for high torque(M5/M6 screws)

Part No.
TD07285
TD07286

Vacuum Pump
Model DLP2530/2570

Torque Diagram (for reference)



Screwdriver Cable Breakdown List

Power/Input Signal Cable

Color	Details
Green	Power input
Yellow	Power input
Blue	Bit earth
White	Input signal common (Vcc)
Black	Start signal input
Orange	Forward signal input
Gray	Reverse signal input

Power input voltage: 100 V AC

Output Signal Cable

Color	Details
White	Torque-up signal output
Black	Ground