

# CL-Series

## Electric Torque Screwdrivers Low Voltage DC



### KEY FEATURES

- Various models that range from 0.17 lbf.in to 69 lbf.in.
- Designed for heavy-duty production and delivers reliability and precision torque.
- Ensures accuracy in fastening with precision automatic shut-off clutch once preset torque is achieved.
- External torque adjustment scale.
- Low voltage requirements offer superior life and safe operation.
- Available in Lever, Push-to-Start and ESD models.
- Requires a Transformer (power supply).
- CL9000 provided with a shockless reaction stand to provide precise torque control and to eliminate torque reaction to the operator.

Model	Driver Type	Item #	Torque Ranges		RPM		Grip Diameter	Length	Drive Size	Weight
			lbf.in	cN.m	30 VDC	20 VDC				
CL2000	Lever Start	<b>144103</b>	0.17 - 1.7	2 - 20	680	490	1"	6 1/2"	4mm HIOS	7 oz.
CL2000-ESD	ESD (Lever Start)	<b>144097</b>	0.17 - 1.7	2 - 20	680	490	1"	6 1/2"	4mm HIOS	7 oz.
CL3000	Lever Start	<b>144106</b>	0.3 - 1.7	3 - 20	1000	670	1 1/4"	7 1/4"	4mm HIOS	12.4 oz.
CL3000PS	Push-to-Start	<b>144107</b>	0.3 - 1.7	3 - 20	1000	670	1 1/2"	7 1/4"	4mm HIOS	13.8 oz.
CL3000-ESD	ESD (Lever Start)	<b>144098</b>	0.3 - 1.7	3 - 20	1000	670	1 1/4"	7 1/4"	4mm HIOS	12.4 oz.
CL4000	Lever Start	<b>144110</b>	0.9 - 4.8	10 - 55	1000	690	1 1/4"	7 3/4"	1/4" Female/Hex	13.4 oz.
CL4000	Lever Start	<b>144111</b>	0.9 - 4.8	10 - 55	1000	690	1 1/4"	7 3/4"	4mm HIOS	13.4 oz.
CL4000PS	Push-to-Start	<b>144108</b>	0.9 - 4.8	10 - 55	1000	690	1 1/2"	7 3/4"	1/4" Female/Hex	15.2 oz.
CL4000-ESD	ESD (Lever Start)	<b>144099</b>	0.9 - 4.8	10 - 55	1000	690	1 1/4"	7 3/4"	1/4" Female/Hex	13.4 oz.
CL6000	Lever Start	<b>144116</b>	1.7 - 8.8	20 - 100	800	500	1 1/2"	8 5/8"	1/4" Female/Hex	21.2 oz.
CL6000PS	Push-to-Start	<b>144119</b>	1.7 - 8.8	20 - 100	800	500	1 1/2"	8 5/8"	1/4" Female/Hex	21.2 oz.
CL6000-ESD	ESD (Lever Start)	<b>144320</b>	1.7 - 8.8	20 - 100	800	500	1 1/2"	8 5/8"	1/4" Female/Hex	21.2 oz.
CL6500	Lever Start	<b>144121</b>	2.6 - 14	30 - 160	900	600	1 1/2"	9 1/4"	1/4" Female/Hex	23.3 oz.
CL6500PS	Push-to-Start	<b>144120</b>	2.6 - 14	30 - 160	900	600	1 1/2"	9 1/4"	1/4" Female/Hex	23.3 oz.
CL6500-ESD	ESD (Lever Start)	<b>144100</b>	2.6 - 14	30 - 160	900	600	1 1/2"	9 1/4"	1/4" Female/Hex	23.3 oz.
CL7000	Lever Start	<b>144126</b>	2.6 - 22	30 - 250	750	-	1 1/2"	10"	1/4" Female/Hex	26.5 oz.
CL7000PS	Push-to-Start	<b>144125</b>	2.6 - 22	30 - 250	750	-	1 1/2"	10"	1/4" Female/Hex	26.5 oz.
CL7000-ESD	ESD (Lever Start)	<b>144101</b>	2.6 - 22	30 - 250	750	-	1 1/2"	10"	1/4" Female/Hex	26.5 oz.
*CL7000	Lever Start	<b>144182</b>	2.6 - 24	30 - 271	550	-	1 1/2"	10"	1/4" Female/Hex	26.5 oz.
CL9000PS	Push-to-Start	<b>144130</b>	10 - 43	120 - 500	530	-	2"	10"	1/4" Female/Hex	46 oz.
**CL9000PS-HT	Push-to-Start	<b>144265</b>	17 - 69	192 - 780	350	-	2"	10"	1/4" Female/Hex	46 oz.



### TRANSFORMER

A transformer is required for the CL-Series drivers.  
See Pages  
**02.17 & 02.18**



### ACCESSORIES

Coiled Cord (shown)  
Right Angle Adapter  
Pistol Grip  
Push-to-Start Adapter  
Vacuum Adapter Kits  
See Pages  
**02.19 & 02.20**



Power & HIOS Bits  
See Pages  
**04.2 & 04.3 & 04.6**



### NOTE!

For Torque Chart, see pages 02.2 & 02.3  
\* 25:1 gear ratio allows increased torque output at lower RPM's.  
\*\* 36:1 gear ratio allows increased torque output at lower RPM's.  
CL3000 and CL4000 models need a torque adjustment nut  
Item #060012 and set screw Item #220100 to preset driver to a specific torque.