



E-DRIV BF-Series

Brushless Electric Torque Screwdrivers

- Various models that range from 0.17 - 10.4 lbf.in
- High performance brushless motor design provides durability and reduces the standard maintenance costs for electric screwdrivers.
- Designed for high production environments. Minimal heat build-up even when tool is operated continuously.
- Over Heat Protection (OHP) and Over Current Protection (OCP) protect driver from damage or malfunction. Features a LED display that signals the tool status for the operator to view.
- Can be connected with the Scout Screw Counter.
- External torque adjustment scale.
- Requires transformer (power supply).
- All models are ESD designed and prevent the occurrence of electrostatic discharge, which improves production yields, manufacturing costs, product quality, product reliability, reputation and profitability.



Four style of brushless screwdriver models:

- Standard models: Adjustable RPM setting on the tool. A selectable Soft Start mode from 0.2-0.6 seconds. (Lever Start & Push-to-Start)
- Soft Stop models: Precision "Soft-Stop" clutch prevents shock to sensitive assemblies like disk drives, plastics, electronics, etc. Adjustable RPM setting on the tool. A selectable Soft Start mode from 0.2-0.6 seconds. (Lever Start)
- Angle Control & Auto Reverse models: Set the start, stop and operating direction of the tool. Adjustable RPM setting on the tool. (Lever Start)
- Plus models: Features a selectable Double Hit Mode for soft joint applications and a selectable Soft Start mode (from 0.2-0.6 seconds). This option is available for Standard & Soft Stop screwdrivers. (Lever Start & Push-to-Start)



Mini BF-Series Models

- Precision "Soft-Stop" clutch prevents shock to sensitive assemblies like disk drives, plastics, electronics, etc. (Lever Start).

- Adjustable RPM setting on the tool.

Note! - Requires Program Lock Key (Item # 145774) in order to adjust RPM Settings (See page 5 for details).



Model	Driver Type	Item #	Torque Ranges		RPM	Grip Dia.	Length	Drive Size	Wt.	Applicable
			lbf.in	cN.m	Adjustable*					Screw Size
BF035 ESD	Lever Start	145844	0.17 - 3	2 - 34.3	300 - 1100	1 1/5"	7 2/3"	4mm HIOS	8.5 oz	M1.3-2.6
BF045 ESD	Lever Start	145845	0.35 - 3.9	4 - 44.1	300 - 700	1 1/5"	7 2/3"	4mm HIOS	8.5 oz	M1.3-2.6

BFT - Series Angle Control & Auto Reverse Models

- Time Angle Control & Auto Reverse model: Set the start and stop point by angle control within a range of 0.25 - 15 turns. Also set the "Stop Holding Time" within a range of 0.1 to 6 seconds. (Lever Start)

- Precision "Soft-Stop" clutch prevents shock to sensitive assemblies like disk drives, plastics, electronics, etc. (Lever Start).

- Adjustable RPM setting on the tool.



Model	Driver Type	Item #	Torque Ranges		RPM	Grip Dia.	Length	Drive Size	Wt.	Applicable
			lbf.in	cN.m	Adjustable*					Screw Size
BFT060 ESD	Lever Start	145838	0.9 - 5.2	9.8 - 58.8	700-1600	1 1/4"	9"	4mm HIOS	14.5 oz	M1.3-3.0
BFT080 ESD	Lever Start	145839	0.9 - 6.9	9.8 - 78.4	450-1000	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.3-3.0
BFT120 ESD	Lever Start	145840	1.7 - 10.4	19.6 - 117.6	300-700	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.7-3.0



BF-Series Standard Models

- Adjustable RPM setting on the tool.
- A selectable Soft Start mode from 0.2-0.6 seconds.

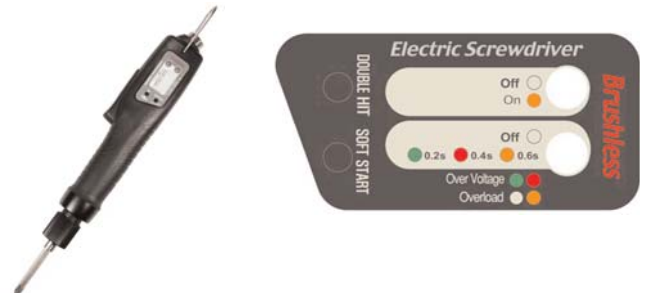
Note! - Requires Program Lock Key (Item # 145774) in order to adjust RPM & Soft Start Settings (See page 5 for details).



Model	Driver Type	Item #	Torque Ranges		RPM	Grip Dia.	Length	Drive Size	Wt.	Applicable
			lbf.in	cN.m	Adjustable*					Screw Size
BF060 ESD	Lever Start	145791	0.9 - 5.2	9.8 - 58.8	700-1600	1 1/4"	9"	4mm HIOS	14.5 oz	M1.3-3.0
BF060P ESD	Push-to-Start	145792	0.9 - 5.2	9.8 - 58.8	700-1600	1 1/4"	9"	4mm HIOS	14.5 oz	M1.3-3.0
BF080 ESD	Lever Start	145793	0.9 - 6.9	9.8 - 78.4	450-1000	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.3-3.0
BF080P ESD	Push-to-Start	145794	0.9 - 6.9	9.8 - 78.4	450-1000	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.3-3.0
BF120 ESD	Lever Start	145776	1.7 - 10.4	19.6 - 117.6	300 -700	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.7-3.0
BF120P ESD	Push-to-Start	145795	1.7 - 10.4	19.6 - 117.6	300 -700	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.7-3.0

BF-Series Standard Plus Models

- The "Plus" models feature a selectable Double Hit Mode for soft joint applications and a selectable Soft Start mode (from 0.2-0.6 seconds). These options are controlled on the side of driver.



Model	Driver Type	Item #	Torque Ranges		RPM	Grip Dia.	Length	Drive Size	Wt.	Applicable
			lbf.in	cN.m						Screw Size
BF060 ESD Plus	Lever Start	145796	0.9 - 5.2	9.8 - 58.8	1600	1 1/4"	9"	4mm HIOS	14.5 oz	M1.3-3.0
BF060P ESD Plus	Push-to-Start	145797	0.9 - 5.2	9.8 - 58.8	1600	1 1/4"	9"	4mm HIOS	14.5 oz	M1.3-3.0
BF080 ESD Plus	Lever Start	145798	0.9 - 6.9	9.8 - 78.4	1000	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.3-3.0
BF080P ESD Plus	Push-to-Start	145799	0.9 - 6.9	9.8 - 78.4	1000	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.3-3.0
BF120 ESD Plus	Lever Start	145830	1.7 - 10.4	19.6 - 117.6	700	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.7-3.0
BF120P ESD Plus	Push-to-Start	145831	1.7 - 10.4	19.6 - 117.6	700	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.7-3.0



BF-Series Soft Stop Models

- Precision "Soft-Stop" clutch prevents shock to sensitive assemblies like disk drives, plastics, electronics, etc. (Lever Start).
- Adjustable RPM setting on the tool.
- A selectable Soft Start mode from 0.2-0.6 seconds.



Note! - Requires Program Lock Key (Item # 145774) in order to adjust RPM & Soft Start Settings (See page 5 for details)

Model	Driver Type	Item #	Torque Ranges		RPM	Grip Dia.	Length	Drive Size	Wt.	Applicable
			lbf.in	cN.m	Adjustable*					Screw Size
BFS060 ESD	Lever Start	145832	0.9 - 5.2	9.8 - 58.8	700-1600	1 1/4"	9"	4mm HIOS	14.5 oz	M1.3-3.0
BFS080 ESD	Lever Start	145833	0.9 - 6.9	9.8 - 78.4	450-1000	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.3-3.0
BFS120 ESD	Lever Start	145834	1.7 - 9.1	19.6 - 103	300 -700	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.7-3.0

BF-Series Soft Stop Plus Models

- The "Plus" models feature a selectable Double Hit Mode for soft joint applications and a selectable Soft Start mode (from 0.2-0.6 seconds). These options are controlled on the side of driver.
- Precision "Soft-Stop" clutch prevents shock to sensitive assemblies like disk drives, plastics, electronics, etc. (Lever Start).



Model	Driver Type	Item #	Torque Ranges		RPM	Grip Dia.	Length	Drive Size	Wt.	Applicable
			lbf.in	cN.m						Screw Size
BFS060 ESD Plus	Lever Start	145835	0.9 - 5.2	9.8 - 58.8	1600	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.3-3.0
BFS080 ESD Plus	Lever Start	145836	0.9 - 6.9	9.8 - 78.4	1000	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.3-3.0
BFS120 ESD Plus	Lever Start	145837	1.7 - 9.1	19.6 - 103	700	1 1/4"	9"	1/4 F/Hex	14.5 oz	M1.7-3.0



STC40 Transformer

STC40 transformer is power supply designed for operating the BF-Series & NF-Series brushless electric screwdrivers. Only use this transformer when operating any BF-Series & NF-Series models.

Features

- Over Heat Protection (OHP) and Over Current Protection (OCP) protect driver from damage or malfunction.
- Temperature Detection powers down the unit and resets automatically when unit restores to acceptable levels.
- Switchable 110V & 230V input voltage. Unit will reset itself if motor/current overload is too high.
- Start & Stop Signal Output (for PLC).
- Screwdriver Lock Signal Input (for PLC).
- Unit can be connected to the Scout (Screw Counter).



Model: STC40
Item # 145754
Specifications:
Rated Output: 2.6A 105W
Max. Output: 10A
Output VDC: 30/40V
Input VAC: 110/230V
Size inches (W x D x H): 4 3/8" x 7 1/2" x 2 3/8"
Weight: 1.8 lbs.
Operates with: BF-Series and NF-Series

FT-30D Mini Transformer

The FT-30D Mini Transformer is power supply designed for operating only the Mini BF-Series brushless electric screwdrivers.

Features

- Over Heat Protection (OHP) and Over Current Protection (OCP) protect driver from damage or malfunction.
- Temperature Detection powers down the unit and resets automatically when unit restores to acceptable levels.
- Switching power supply 110V - 230V input voltage. Unit will reset itself if motor/current overload is too high.
- Unit can be connected to the Scout (Screw Counter).



Model: FT-30D
Item # 145870
Specifications:
Rated Output: 1.2A
Output VDC: 30V
Input VAC: 110 ~ 230V
Size inches (W x D x H): 2 3/4" x 5 1/8" x 1 1/2"
Weight: 8.8 oz.
Operates only: BF035 & BF045

Program Lock Key - Item # 145774

The Program Lock Key protects from incidental or operator tampering of the programmable settings on the side of select BF-Series models* (V3 models only). To adjust the settings the Program Lock Key must be plugged into the STC40 & FT-30D Mini Transformer.

* **Note!** The program key is required for the BF-Series Mini models, Standard Models and Soft Stop Models. RPM & Soft Start Settings cannot be adjusted without it.



The program Key **cannot** be used with BF-Series Standard Plus Models, Soft Stop Plus Models & Angle & Auto Reverse Models.



Accessories



Vacuum Adapter Kit

For: BF060, BF080 & BF120 models

Item # 145612

For: BF035 & BF045 models

Item # 145653

Vacuum adapter kits can be mounted on an electric screwdriver. The screwdriver is fitted with a suction head that holds the screw on the bit, enabling the operator to pick it up with the tool itself. This is an effective, time saving device that works with most fasteners.

Accepts different size screws and various length fasteners.

Allows quick-change set-up at a low cost.

Mounts with threaded torque nut. The driver remains externally adjustable while allowing semi-automatic pickup of non-ferrous fasteners.

Plug driver into vacuum supply or chose the Vacuum Ejector.

Mouthpiece and bit purchased separately.

Torque Cover

For: BF060, BF080 & BF120 models

Item # 145611

For: BF035 & BF045 models

Item # 145773



Protects the BF-Series tools from incidental or operator tampering of torque setting.

Pistol Grip Attachment

The Pistol Grip attachment is an accessory item that converts the BF-Series in-line electric screwdrivers into pistol grip style tools.

For: BF060, BF080 & BF120 models

Item # 145788

