

# E-DRIV® BF-Series

Brushless Electric Torque Screwdrivers

## KEY FEATURES

Various models than 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 a transformer (power supply).

All models are ESD designed and prevent occurrence of electrostatic discharge, which improves production yields, manufacturing costs, product quality, product reliability, reputation and profitability.

Features driver lock.



## NOTE!

For the BF-Series Miniature Soft Stop, Standard and Soft Stop models, a Program Lock Key is required. The RPM & Soft Start Settings can not be adjusted without it.

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

The program lock key can not be used with Plus models of BF, NF-Series and Angle & Auto Reverse models.

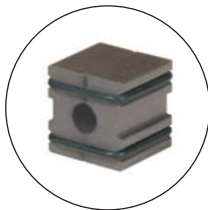


## PROGRAM LOCK KEY

Item #145774



RoHS



## MAGNETIZER / DEMAGNETIZER

Magnetize or demagnetize bits and parts instantly.

Item #120815



## TORQUE COVER

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

Models:  
BF060  
BF080  
BF120

Item #145611

Models:  
BF035  
BF045

Item #145773



The control display is only for Standard and Soft Stop screwdriver models that offer the ability to adjust the RPM setting on the tool and select the soft start timing. See page 01.6 for the models that offer these features.

## STANDARD MODELS

Adjustable RPM setting on the tool.

A selectable Soft Start mode from 0.2 - 0.6 seconds

Model	Driver Type	Item #	Torque Ranges		RPM Adjustable*	Grip Dia.	Length	Drive Size	Wt. oz.
			lbf.in	cN.m					
BF060 ESD	Lever Start	<b>145884</b>	0.9 - 5.2	9.8 - 58.8	700 - 1600	1 1/4"	9"	1/4 F/Hex	14.5
BF060P ESD	Push-to-Start	<b>145885</b>	0.9 - 5.2	9.8 - 58.8	700 - 1600	1 1/4"	9"	1/4 F/Hex	14.5
BF080 ESD	Lever Start	<b>145793</b>	0.9 - 6.9	9.8 - 78.4	670- 1000	1 1/4"	9"	1/4 F/Hex	14.5
BF080P ESD	Push-to-Start	<b>145794</b>	0.9 - 6.9	9.8 - 78.4	670- 1000	1 1/4"	9"	1/4 F/Hex	14.5
BF120 ESD	Lever Start	<b>145776</b>	1.7 - 10.4	19.6 - 117.6	460 - 700	1 1/4"	9"	1/4 F/Hex	14.5
BF120P ESD	Push-to-Start	<b>145795</b>	1.7 - 10.4	19.6 - 117.6	300 - 700	1 1/4"	9"	1/4 F/Hex	14.5

\*Requires Program Lock Key (Item# 145774) to adjust RPM & Soft Start Settings. Program Lock Key must be plugged into the STC40 Transformer (see page 01.5 for details)

## STANDARD PLUS MODELS

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

Model	Driver Type	Item #	Torque Ranges		RPM	Grip Dia.	Length	Drive Size	Wt. oz.
			lbf.in	cN.m					
BF060 ESD Plus	Lever Start	<b>145886</b>	0.9 - 5.2	9.8 - 58.8	1600	1 1/4"	9"	1/4 F/Hex	14.5
BF060P ESD Plus	Push-to-Start	<b>145887</b>	0.9 - 5.2	9.8 - 58.8	1600	1 1/4"	9"	1/4 F/Hex	14.5
BF080 ESD Plus	Lever Start	<b>145798</b>	0.9 - 6.9	9.8 - 78.4	1000	1 1/4"	9"	1/4 F/Hex	14.5
BF080P ESD Plus	Push-to-Start	<b>145799</b>	0.9 - 6.9	9.8 - 78.4	1000	1 1/4"	9"	1/4 F/Hex	14.5
BF120 ESD Plus	Lever Start	<b>145830</b>	1.7 - 10.4	19.6 - 117.6	700	1 1/4"	9"	1/4 F/Hex	14.5
BF120P ESD Plus	Push-to-Start	<b>145831</b>	1.7 - 10.4	19.6 - 117.6	700	1 1/4"	9"	1/4 F/Hex	14.5

## MINIATURE SOFT STOP MODELS

Precision "Soft Stop" clutch prevents shock to sensitive assemblies like disk drives, plastics, electronics, etc.

Adjustable RPM setting on the tool.

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

\*Requires Program Lock Key (Item# 145774) to adjust RPM & Soft Start Settings. Program Lock Key must be plugged into the STC40 or FT-30D Transformer (see page 01.5 for details)

## 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

Model	Driver Type	Item #	Torque Ranges		RPM Adjustable*	Grip Dia.	Length	Drive Size	Wt. oz.
			lbf.in	cN.m					
BFS060 ESD	Lever Start	<b>145888</b>	0.9 - 5.2	9.8 - 58.8	700 - 1600	1 1/4"	9"	1/4 F/Hex	14.5
BFS080 ESD	Lever Start	<b>145833</b>	0.9 - 6.9	9.8 - 78.4	670 - 1000	1 1/4"	9"	1/4 F/Hex	14.5
BFS120 ESD	Lever Start	<b>145834</b>	1.7 - 10.4	19.6 - 103	460 - 700	1 1/4"	9"	1/4 F/Hex	14.5

\*Requires Program Lock Key (Item# 145774) to adjust RPM & Soft Start Settings. Program Lock Key must be plugged into the STC40 Transformer (see page 01.5 for details)

## SOFT STOP PLUS MODELS

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

Precision "Soft Stop" clutch prevents shock to sensitive assemblies like disk drives, plastics, electronics, etc.

Model	Driver Type	Item #	Torque Ranges		RPM	Grip Dia.	Length	Drive Size	Wt. oz.
			lbf.in	cN.m					
BFS060 ESD Plus	Lever Start	<b>145889</b>	0.9 - 5.2	9.8 - 58.8	1600	1 1/4"	9"	1/4 F/Hex	14.5
BFS080 ESD Plus	Lever Start	<b>145836</b>	0.9 - 6.9	9.8 - 78.4	1000	1 1/4"	9"	1/4 F/Hex	14.5
BFS120 ESD Plus	Lever Start	<b>145837</b>	1.7 - 10.4	19.6 - 103	700	1 1/4"	9"	1/4 F/Hex	14.5

## 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.

Precision "Soft Stop" clutch prevents shock to sensitive assemblies like disk drives, plastics, electronics, etc.

Adjustable RPM setting on the tool.

Model	Driver Type	Item #	Torque Ranges		RPM Adjustable	Grip Dia.	Length	Drive Size	Wt. oz.
			lbf.in	cN.m					
BFT060 ESD	Lever Start	<b>145890</b>	0.9 - 5.2	9.8 - 58.8	700 - 1600	1 1/4"	9"	1/4 F/Hex	14.5
BFT080 ESD	Lever Start	<b>145839</b>	0.9 - 6.9	9.8 - 78.4	670 - 1000	1 1/4"	9"	1/4 F/Hex	14.5
BFT120 ESD	Lever Start	<b>145840</b>	1.7 - 10.4	19.6 - 117.6	460 - 700	1 1/4"	9"	1/4 F/Hex	14.5