



## E-DRIV NF-Series

### Brushless Electric Torque Screwdrivers

- Various models that range from 2.6 - 39 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. (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)



## NF-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 Settings (See page 4 for details)



Model	Driver Type	Item #	Torque Ranges		RPM Adjustable*	Grip Dia.	Length	Drive Size	Wt.	Applicable Screw Size
			lbf.in	cN.m						
NF150-A ESD	Lever Start	145846	2.6 - 13	29.4 - 147	800-1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-4.0
NF150-A ESD	Push-to-Start	145849	2.6 - 13	29.4 - 147	800-1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-4.0
NF220-A ESD	Lever Start	145847	5.2 - 19	58.9 - 215.8	600-1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-5.0
NF220P-A ESD	Push-to-Start	145850	5.2 - 19	58.9 - 215.8	600-1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-5.0
NF450-A ESD	Lever Start	145848	6.1 - 39	68.7 - 441	300-600	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-6.0
NF450P-A ESD	Push-to-Start	145851	6.1 - 39	68.7 - 441	300-600	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-6.0

## NF-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 Screw Size
			lbf.in	cN.m						
NF150-A ESD	Lever Start	145852	2.6 - 13	29.4 - 147	1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-4.0
NF150-A ESD	Push-to-Start	145855	2.6 - 13	29.4 - 147	1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-4.0
NF220-A ESD	Lever Start	145853	5.2 - 19	58.9 - 215.8	1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-5.0
NF220P-A ESD	Push-to-Start	145856	5.2 - 19	58.9 - 215.8	1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-5.0
NF450-A ESD	Lever Start	145854	6.1 - 39	68.7 - 441	600	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-6.0
NF450P-A ESD	Push-to-Start	145857	6.1 - 39	68.7 - 441	600	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-6.0



## NF-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 Settings (See page 4 for details)



Model	Driver Type	Item #	Torque Ranges		RPM Adjustable*	Grip Dia.	Length	Drive Size	Wt.	Applicable
			lbf.in	cN.m						Screw Size
NFS150 ESD	Lever Start	145865	2.6 - 13	29.4 - 147	800-1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-4.0
NFS220 ESD	Lever Start	145866	5.2 - 19	58.9 - 215.8	600-1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-5.0

## NF-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)
- Adjustable RPM setting on the tool.



Model	Driver Type	Item #	Torque Ranges		RPM Adjustable*	Grip Dia.	Length	Drive Size	Wt.	Applicable
			lbf.in	cN.m						Screw Size
NFT150-A ESD	Lever Start	145858	2.6 - 13	29.4 - 147	800-1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-4.0
NFT220-A ESD	Lever Start	145859	5.2 - 19	58.9 - 215.8	600-1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-5.0
NFT450-A ESD	Lever Start	145860	6.1 - 39	68.7 - 441	300-600	1 1/3"	10 1/4"	1/4 F/Hex	18.4 oz	M2.6-6.0



## 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 model.

### 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**

## Program Lock Key - Item # 145774

The Program Lock Key protects from incidental or operator tampering of the programmable settings on the side of select NF-Series models\* (V3 models only). To adjust the settings the Program Lock Key must be plugged into the STC40.

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

The program Key **cannot** be used with NF-Series Standard Plus Models & Angle & Auto Reverse Models.





## Accessories



**Vacuum Adapter Kit**  
For: NF-Series  
Item # 145864

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.

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## Torque Cover

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

Color	Item #
Black	145654
Blue	145655
Green	145656
Gold	145657



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## Pistol Grip Attachment

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

For: NF-Series  
Item # 145789

