


# Power Torque Tool CATALOG



# 01 PowerTools Intro

SECTION

Mountz power assembly tools are designed for precision torque control and ensure product quality, cost savings and a reduction in overall assembly failures. The failure of a three-cent fastener that isn't properly tightened can lead to catastrophic or latent failures. Fasteners that are insufficiently torqued can vibrate loose, and excessive torque can strip threaded fasteners or damage parts. Using a quality assembly torque tool is important for many companies to ensure that proper torque is being applied and maintain requirements associated with the ISO 9001 quality standard. 

**Mountz features a wide variety of Power Assembly Tools.**



## **DC POWERED ELECTRIC SCREWDRIVERS**

For high production applications, an electric screwdriver with a transformer (power supply) is built for these applications. Low voltage electric screwdriver automatically stops when the preset torque has been reached. Various models and styles.

### **Brushless Electric Screwdriver:**

Designed for high production environments, the electric screwdriver features a high performance brushless motor design that provides durability and reduces the standard maintenance costs for electric screwdrivers.

### **ESD Electric Screwdriver:**

Prevent the occurrence of electrostatic discharge. Improve production yields, manufacturing costs, product quality, product reliability, reputation and profitability.

### **Soft-Stop Electric Screwdriver:**

"Soft-Stop" clutch prevents shock to sensitive assemblies like disk drives, plastics, and electronics. Ergonomically designed clutch and body case reduces impact and vibration transmitted in the screw fastening process.

### **Robotic Electric Screwdriver:**

Built for robotic and automated applications. The durable robotic screwdrivers deliver reliability and precision torque control.

### **Clean Room Electric Screwdriver:**

The screwdriver is equipped with a vacuum apparatus as well as a suction head to insure complete removal of fine particles generated during the tightening process in clean rooms.

### **Vacuum Electric Screwdriver:**

The screwdriver is fitted with a suction head that holds the screw on the bit, enabling the operator to pick up the fastener with the tool from a screw presenter or a shaker box. This is an effective, time saving device that works with most fasteners. Vacuum adapters kits can be purchased separately mounted onto an electric screwdriver.

## **DIRECT PLUG-IN ELECTRIC SCREWDRIVERS**

These tools plug directly into a power outlet without the need for a transformer (power supply). A direct plug-in electric screwdriver is intended for low to medium cycle applications. The electric screwdriver is designed to install a fastener then rest for 3.5 seconds before you install the next fastener. The reason is that all the electronics are built into the power tool and it may over-heat and damage the tool. These reliable power tools automatically shuts-off when the preset torque has been reached.

## **TORQUE CONTROL SYSTEM**

Provides real-time monitoring and torque control of the tightening process. Programmable digital torque setting with memory for 8 preset torque settings. Programmable multi-sequence operation. Increase productivity with one tool instead of 2 - 8 tools. Perfect for cell based manufacturing environments, change torque via front panel, PLC or direct connection to I/O on controller. For more, details see HD-Series on page 01.25.

## **CORDLESS TORQUE SCREWDRIVERS**

Ideal for applications where air or electric power is not easily accessible. Built for torque control and durability, the FlexPower battery screwdrivers are built around high capacity lithium-ion battery platforms.

## **PNEUMATIC TORQUE SCREWDRIVERS**

Designed for safe operation and increase comfort for operators, the FlexPower pneumatic tools provide lower noise decibels than comparative air tools as well as minimal vibration and low torque reaction on the operator. The clutch mechanism shuts off the air supply when the preset torque setting is achieved, preventing over-torque conditions from occurring.

## **PULSE TOOLS**

Featuring a complete line of shut off and non shut off pulse tools, the FlexPower pulse tools speed up production without torque reaction. Low noise decibels, minimal vibration and low torque reaction make these tools a safe ergonomic selection. Mountz pulse tools provide durability, power and speed for industrial assembly applications ranging from 4.4 - 154.9 lbf.ft covering bolt sizes M5-M16.



## Standard Electric Torque Screwdrivers

Model	Torque Range Capacity lbf.in	Speed Options (RPM)		Applicable Screw Size Range	Power Source		Soft Stop (Shockless Clutch)	ESD	Available Options			
		Speed Select (Low/High)	Adjustable Speed		Connects to Power Supply (Transformer)	Direct Plug-in (NO Power Supply)			Connect to Screw Counter System	Soft Start Mode	Double Hit Mode	Angle Control & Auto Reverse
SS-Series	0.17 - 17.4	Yes	-	M1.0 - 4.0	Yes	-	Yes	-	Yes	Yes*	Yes*	-
ESD-Series	0.17 - 17.4	Yes	-	M1.0 - 4.0	Yes	-	Yes	Yes	Yes	Yes*	Yes*	-
EF-Series	0.3 - 15.6	Yes	-	M1.0 - 4.0	Yes	-	-	Yes	Yes	Yes*	Yes*	-
E-Series	0.9 - 21.7	-	-	M1.4 - 5.0	-	Yes	-	-	-	-	-	-
K-Series	2.6 - 39	Yes	-	M2.6 - 6.0	Yes	-	-	Yes	Yes	Yes*	Yes*	-
VZ-Series	3.5 - 39	-	-	M2.6 - 5.0	-	Yes	-	-	-	-	-	-
CL-Series	0.17 - 69	Yes	-	M1.0 - 6.0	Yes	-	-	Yes	Yes	Yes*	Yes*	-

\* These options are only available when using the STC30 Plus Transformer (v4.3)

## Brushless Electric Torque Screwdrivers

Model	Torque Range Capacity lbf.in	Speed Options (RPM)		Applicable Screw Size Range	Power Source		Soft Stop (Shockless Clutch)	ESD	Available Options			
		Speed Select (Low/High)	Adjustable Speed		Connects to Power Supply (Transformer)	Direct Plug-in (NO Power Supply)			Connect to Screw Counter System	Soft Start Mode	Double Hit Mode	Angle Control & Auto Reverse
BF-Series	0.17 - 10.4	-	Yes	M1.3 - 3.0	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes
BL-Series	0.17 - 30	Yes	-	M1.0 - 4.0	Yes	-	-	Yes	Yes	-	-	-
VB-Series	2.2 - 39	-	-	M2.6 - 5.0	-	Yes	-	-	-	-	-	-
NF-Series	2.6 - 39	-	Yes	M2.6 - 6.0	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes
YF-Series	6.1 - 87	-	Yes	M2.6 - 8.0	Yes	-	-	Yes	Yes	Yes	Yes*	Yes

\* YF-Series features a programmable multi-hit mode.

### Soft Start Mode:

This allows for an initial speed ramp. Adjust the starting speed of an electric screwdriver for a slow rotation, which allows for smooth engagement between fasteners and parts.

### Angle Control & Auto Reverse:

Set the start, stop and operating direction of the tool. Ideal for installation of helically wound inserts, light tapping or gauging applications.

### Double Hit Mode:

For very soft joint applications. When an electric screwdriver runs down a fastener and the tool shuts-off once the preset torque is achieved there can be some joint relaxation that can occur. When this mode is selected, the electric screwdriver performs a second hit to stabilize the torque for any joint relaxation. Joint relaxation is caused by the surface of part(s) embedding or by "soft parts" such as gaskets, plastics or spongy material, which collapses under the clamping force created in a torque condition. For hard joint applications there is no need to use the Double Hit mode.

## Quick Reference Guide for Transformers

For electric screwdrivers that require a transformer (power supply). For details of each transformer, see pages 01.19 & 01.20.

Model	Item #	For use with Electric Screwdriver Models	Max # Drivers
STC30 Plus	145683	A4500 - 6500, CL2000 - 7000, EF030 - 180, K250 - 450	1
STC30 Plus for SS-Series	145684	SS2000 - 7000	1
STC40	145754	BF035 - 120, NF150 - 450	1
ET-30D	145899	EF030 - 055	1
FT-30D	145870	BF035 - 045	1
T-30BL	144300	BL2000 - 3000	1
T-70BL	144400	BL2000 - 7000	1
CLT-50	144276	A4500 - 6500, CL2000 - 7000, SS2000 - 7000	1
CLT-60	144360	CL2000 - 7000	1
CLT-80	144279	CL9000	1
CLT-100	144174	A4500 - 6500, CL2000 - 7000, SS2000 - 7000	2
CLT70STC3	144296	A4500 - 6500, CL2000 - 7000, SS2000 - 7000	1
BLOP-STC3	144175	BL2000 OPC - 7000 OPC	1
MC70L	144164	CL2000 - 4000, SS2000 - 4000	20
		A4500 - 5000, CL6000 - 7000, SS6500 - 7000	10
		A6500	5



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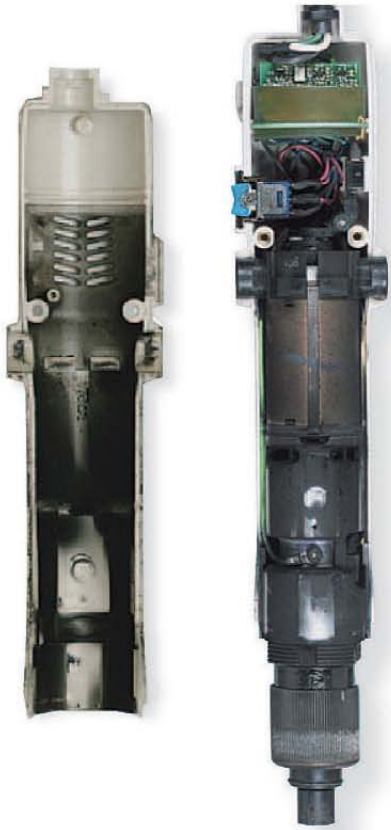
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## Standard Electric Torque Screwdrivers (with Brushes)

These standard models use brushes and over time there's wear on expendable parts (carbon brushes, commutators, switches and other contact points). The heat generated by the motor in electric screwdrivers with brushes can shorten the operating life of the screwdriver. Wear on the expendable parts can affect performance, causing the screwdriver to stop operating. These screwdrivers require regular maintenance and part replacement, depending on the amount of operating time and the environment it's used in.

Expendable carbon brushes wear out, sending carbon powder through out the motor. In turn causing operating problems and reducing overall screwdriver performance. These screwdrivers require regular maintenance and part replacement.

## Brushless Electric Torque Screwdrivers

Screwdrivers with brushless motors have an extremely long operating life with no need for regular maintenance or replacement of expendable parts (carbon brushes, rotor, switches and other contact points). Heat generated by the motor is reduced and screwdriver performance is always at the maximum level resulting in reliable product quality. The brushless screwdriver ensures product quality, cost savings and a reduction in overall failures.

With almost no expendable parts and simple design, the brushless screwdriver life cycle is extended and maintains a clean working environment. The screwdriver requires less maintenance and part replacement and provides consistently reliable performance.

### Carbon Brushes

Carbon brushes are typically the first item replaced after 6 months (based on tightening of 5,000 screws per day). Approximately 0.6g of worn carbon granules are scattered within the electric screwdriver housing and in the air.

Carbon Brush



Carbon Brush WORN



## Common Worn Parts for Standard Electric Screwdrivers

Worn Parts	Carbon Brush	Contact Points	Commutator
Symptoms	Faulty Rotation	Faulty Operation	Reduced Torque
Cause	Insufficient Torque	Screw Lift	Reduced Torque
Part to Replaced	Carbon Brush	Switch	Rotor



# E-DRIV<sup>®</sup> YF-Series

## Brushless Electric Torque Screwdrivers

Model	Driver Type	Item #	Torque Ranges	
			lbf.in	cN.m
YF30N-A ESD	Lever Start	145871	6.1 - 26	68.7 - 294.3
YF30NP-A ESD	Push-to-Start	145872	6.1 - 26	68.7 - 294.3
PYF35N-A ESD	Pistol Grip	145900	6.1 - 30.4	68.7 - 343.4
YF45N-A ESD	Lever Start	145873	8.7 - 39	98.1 - 441
YF45NP-A ESD	Push-to-Start	145874	8.7 - 39	98.1 - 441
PYF50N-A ESD	Pistol Grip	145901	8.7 - 43.4	98.1 - 490.5
YF90N-A ESD	Lever Start	145875	26 - 78.1	294.3 - 883
PYF100N-A ESD	Pistol Grip	145902	8.7 - 87	98.1 - 981

Model	RPM Adjustable	Grip Dia.	Length	Drive Size	Wt. lbs.
YF30N-A ESD	500 - 1700	1 1/2"	11 3/8"	1/4 F/Hex	1.5
YF30NP-A ESD	500 - 1700	1 1/2"	11 3/8"	1/4 F/Hex	1.5
PYF35N-A ESD	500 - 1700	1 7/8"	8 7/8"	1/4 F/Hex	1.8
YF45N-A ESD	500 - 1200	1 1/2"	11 3/8"	1/4 F/Hex	1.5
YF45NP-A ESD	500 - 1200	1 1/2"	11 3/8"	1/4 F/Hex	1.5
PYF50N-A ESD	500 - 1200	1 7/8"	8 7/8"	1/4 F/Hex	1.8
YF90N-A ESD	300 - 700	1 1/2"	11 3/8"	1/4 F/Hex	1.7
PYF100N-A ESD	300 - 700	1 7/8"	8 7/8"	1/4 F/Hex	1.9

### NOTE!

Automation models are available upon request. The automation models feature an external I/O for remote operation (Remote start, driver lock, reverse).

### YFC-35D CONTROLLER

Model: YFC-35D

Item #145877

Input (Electric): 110 / 230 VAC, 50-60 Hz

Output (Electric): DC35V, 5A

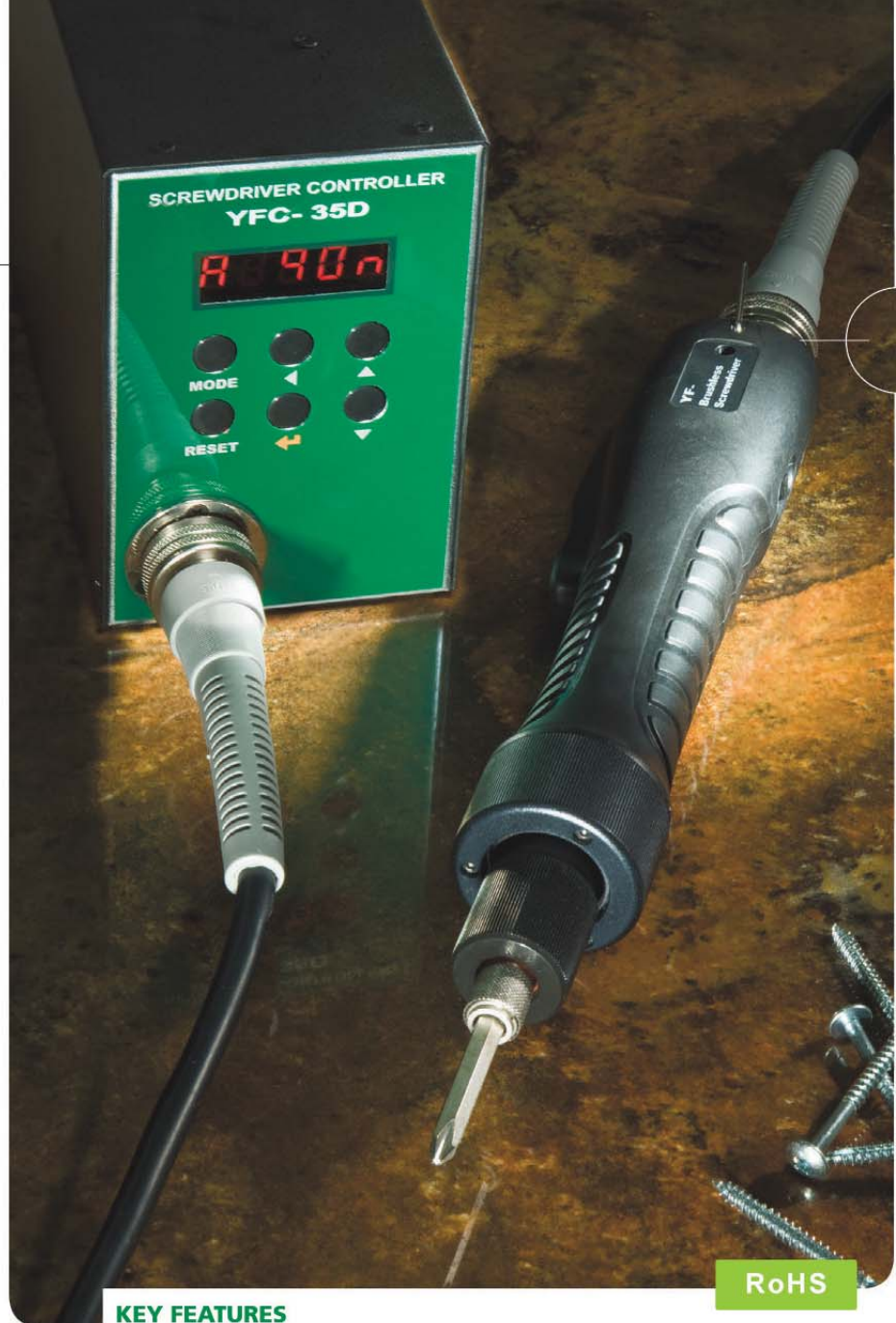
Size (WxDxH): 3 3/4" x 8 3/4" x 5 2/3"

Weight (lbs.): 5.3



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### KEY FEATURES

Various models that range from 6.1 to 87 lbf.in.

High performance brushless motor design provides durability and reduces the standard maintenance costs for electric screwdrivers.

Programmable speed, angle and auto reverse.

Programmable soft start mode (30 to 2000 ms).

Programmable multi-hit mode for soft joint applications.

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 YFC-35D Controller

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.

Three-step multi-sequence mode: CW angle, CCW angle & holding time.



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ISO 9001 AND ISO 17025 COMPANY

E-DRIV  
YF-SERIES  
01.4

# 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.

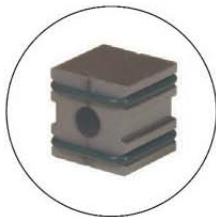
The program lock key can not be used with Plus models of BF, NF-Series and Angle & Auto Reverse models.



**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
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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	145884	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	145885	0.9 - 5.2	9.8 - 58.8	700 - 1600	1 1/4"	9"	1/4 F/Hex	14.5
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
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
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
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

\*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	145886	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	145887	0.9 - 5.2	9.8 - 58.8	1600	1 1/4"	9"	1/4 F/Hex	14.5
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
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
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
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

## 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	145844	0.17 - 3	2 - 34.3	300 - 1100	1 1/5"	7 2/3"	4mm HIOS	8.5
BF045 ESD	Lever Start	145845	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	145888	0.9 - 5.2	9.8 - 58.8	700 - 1600	1 1/4"	9"	1/4 F/Hex	14.5
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
BFS120 ESD	Lever Start	145834	1.7 - 9.1	19.6 - 103	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)

## 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	145889	0.9 - 5.2	9.8 - 58.8	1600	1 1/4"	9"	1/4 F/Hex	14.5
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
BFS120 ESD Plus	Lever Start	145837	1.7 - 9.1	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	145890	0.9 - 5.2	9.8 - 58.8	700 - 1600	1 1/4"	9"	1/4 F/Hex	14.5
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
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



### Mountz Tool Selector

Easy to navigate, a guide that assists engineers in selecting the proper tool for the application. Visit [www.mountztorque.com/torque-tool-selector](http://www.mountztorque.com/torque-tool-selector).



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# E-DRIV<sup>®</sup> NF-Series

Brushless Electric Torque Screwdrivers



## KEY FEATURES

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 drivers.

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 the occurrence of electrostatic discharge, which improves production yields, manufacturing costs, product quality, product reliability, reputation and profitability.

## Torque Covers

Protects from incidental or operator tampering of torque setting. Allows for color coding of specific torque values in production areas.



Black  
Item #  
145654



Blue  
Item #  
145655



Green  
Item #  
145656



Gold  
Item #  
145657



Gray  
Item #  
145658



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## 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					
NF150-A ESD	Lever Start	<b>145846</b>	2.6 - 13	29.4 - 147	800 - 1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NF150P-A ESD	Push-to-Start	<b>145849</b>	2.6 - 13	29.4 - 147	800 - 1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NF220-A ESD	Lever Start	<b>145847</b>	5.2 - 19	58.9 - 215.8	600 - 1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NF220P-A ESD	Push-to-Start	<b>145850</b>	5.2 - 19	58.9 - 215.8	600 - 1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NF450-A ESD	Lever Start	<b>145848</b>	6.1 - 39	68.7 - 441	300 - 600	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NF450P-A ESD	Push-to-Start	<b>145851</b>	6.1 - 39	68.7 - 441	300 - 600	1 1/3"	10 1/4"	1/4 F/Hex	18.4

\*Requires Program Lock Key (Item# 145774) to adjust RPM & Soft Start Settings. Program Lock Key must be plugged into the STC40 Transformer (see page 01.19 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					
NF150-A ESD Plus	Lever Start	<b>145852</b>	2.6 - 13	29.4 - 147	1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NF150P-A ESD Plus	Push-to-Start	<b>145855</b>	2.6 - 13	29.4 - 147	1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NF220-A ESD Plus	Lever Start	<b>145853</b>	5.2 - 19	58.9 - 215.8	1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NF220P-A ESD Plus	Push-to-Start	<b>145856</b>	5.2 - 19	58.9 - 215.8	1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NF450-A ESD Plus	Lever Start	<b>145854</b>	6.1 - 39	68.7 - 441	600	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NF450P-A ESD Plus	Push-to-Start	<b>145857</b>	6.1 - 39	68.7 - 441	600	1 1/3"	10 1/4"	1/4 F/Hex	18.4

## 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					
NFS150-A ESD	Lever Start	<b>145865</b>	2.6 - 13	29.4 - 147	800 - 1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NFS220-A ESD	Lever Start	<b>145866</b>	5.2 - 19	58.9 - 215.8	600 - 1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4

\*Requires Program Lock Key (Item# 145774) to adjust RPM & Soft Start Settings. Program Lock Key must be plugged into the STC40 Transformer (see page 01.19 for details)

## 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.

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					
NFT150-A ESD	Lever Start	<b>145858</b>	2.6 - 13	29.4 - 147	800 - 1700	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NFT220-A ESD	Lever Start	<b>145859</b>	5.2 - 19	58.9 - 215.8	600 - 1200	1 1/3"	10 1/4"	1/4 F/Hex	18.4
NFT450-A ESD	Lever Start	<b>145860</b>	6.1 - 39	68.7 - 441	300 - 600	1 1/3"	10 1/4"	1/4 F/Hex	18.4



### STC40 TRANSFORMER

Model: STC40  
**Item #145754**  
 Max. Output: 10A  
 Output VDC: 30 / 40  
 Input VAC: 110 / 230V  
 Size (WxDxH): 4 3/8" x 7 1/2" x 2 3/8"  
 Weight (lbs.): 1.8



### PROGRAM LOCK KEY

Adjust RPM & Soft Start Settings for select models. Program Lock Key must be plugged into the STC40 Transformer. (see page 01.19 for details)

**Item #145774**



### VACUUM ADAPTER KIT

Mounts easily to NF-Series Drivers.  
 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 choose the Vacuum Ejector.  
 Mouthpiece and bit purchased separately.

**Item #145864**



### PISTOL GRIP ATTACHMENT

For NF-Series  
**Item #145789**



# E-DRIV<sup>®</sup> EF-Series & K-Series

Electric Torque Screwdrivers  
Low Voltage DC

## KEY FEATURES

Various models that range from 0.3 lbf.in to 39 lbf.in.

Rugged production tools designed to increase productivity and enhance product quality through precision torque control and user comfort.

Ensures accuracy in fastening with precision automatic shut-off clutch once preset torque is achieved.

External torque adjustment scale.

Available in Lever, Push-to-Start, and ESD models.

Requires a transformer (power supply).



### Torque Cover

Protects from incidental or operator tampering of torque setting.

Item # 145700 (EF080, EF120 & EF180 models only)

Item # 145773 (EF030, EF040 & EF050 models only)

Item # 145615 (For K-Series models only)

RoHS



## EF-SERIES

Model	Driver Type	Item #	Torque Ranges		RPM		Grip Dia.	Length	Drive Size	Weight
			lbf.in	cN.m	High	Low				
EF030-E ESD	ESD (Lever Start)	145781	0.3 - 2.6	3 - 29	1000	700	1 1/8"	7 2/3"	4mm HIOS	8.5 oz.
EF040-E ESD	ESD (Lever Start)	145782	0.35 - 3.5	3.9 - 39	1000	700	1 1/8"	7 2/3"	4mm HIOS	8.5 oz.
EF055-E ESD	ESD (Lever Start)	145783	0.4 - 4.8	4.9 - 54	1000	500	1 1/8"	7 2/3"	4mm HIOS	8.5 oz.
EF080-A	Lever Start	145702	0.8 - 6.9	9.8 - 78.4	1000	670	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF080-A ESD	ESD (Lever Start)	145704	0.8 - 6.9	9.8 - 78.4	1000	670	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF080P-A	Push-to-Start	145703	0.8 - 6.9	9.8 - 78.4	1000	670	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF080P-A ESD	ESD (Push-to-Start)	145705	0.8 - 6.9	9.8 - 78.4	1000	670	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF120-A	Lever Start	145706	1.7 - 10.4	19.6 - 117.6	1000	670	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF120-A ESD	ESD (Lever Start)	145708	1.7 - 10.4	19.6 - 117.6	1000	670	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF120P-A	Push-to-Start	145707	1.7 - 10.4	19.6 - 117.6	1000	670	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF120P-A ESD	ESD (Push-to-Start)	145709	1.7 - 10.4	19.6 - 117.6	1000	670	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF180-A	Lever Start	145878	1.7 - 15.6	19.6 - 176.6	630	440	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF180-A ESD	ESD (Lever Start)	145880	1.7 - 15.6	19.6 - 176.6	630	440	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF180P-A	Push-to-Start	145879	1.7 - 15.6	19.6 - 176.6	630	440	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.
EF180P-A ESD	ESD (Push-to-Start)	145881	1.7 - 15.6	19.6 - 176.6	630	440	1 1/4"	8 1/2"	1/4" F/Hex	11 oz.



### MOUNTZ RIGHT ANGLE ADAPTER

SEE PAGE O1.45

## K-SERIES

Model	Driver Type	Item #	Torque Ranges		RPM		Grip Dia.	Length	Drive Size	Weight
			lbf.in	cN.m	High	Low				
K250-A	Lever Start	145660	2.6 - 21.7	29.4 - 245	1050	630	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K250-A ESD	ESD (Lever Start)	145665	2.6 - 21.7	29.4 - 245	1050	630	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K250P-A	Push-to-Start	145669	2.6 - 21.7	29.4 - 245	1050	630	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K250P-A ESD	ESD (Push-to-Start)	145673	2.6 - 21.7	29.4 - 245	1050	630	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K350-A	Lever Start	145661	3.5 - 30.4	39.3 - 343	750	460	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K350-A ESD	ESD (Lever Start)	145666	3.5 - 30.4	39.3 - 343	750	460	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K350P-A	Push-to-Start	145670	3.5 - 30.4	39.3 - 343	750	460	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K350P-A ESD	ESD (Push-to-Start)	145674	3.5 - 30.4	39.3 - 343	750	460	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K450-A	Lever Start	145662	4.3 - 39	49.1 - 441	550	330	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K450-A ESD	ESD (Lever Start)	145667	4.3 - 39	49.1 - 441	550	330	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K450P-A	Push-to-Start	145671	4.3 - 39	49.1 - 441	550	330	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.
K450P-A ESD	ESD (Push-to-Start)	145675	4.3 - 39	49.1 - 441	550	330	1 1/2"	10 1/4"	1/4" F/Hex	21.2 oz.



### TRANSFORMER

A transformer is required for the drivers.

SEE PAGES  
O1.19 - O1.20

# E-DRIV<sup>®</sup> E-Series

## Electric Torque Screwdrivers Direct Plug-In

Model	Driver Type	Item #	
		110V	220V
E180-A	Lever Start	145645	145646
E180-PS	Push-to-Start	145647	145648
E250-A	Lever Start	145649	145650
E250-PS	Push-to-Start	145651	145652

Model	Torque Ranges		
	lbf.in	cN.m	RPM
E180-A	0.9 - 15.6	10 - 176	1000
E180-PS	2.2 - 15.6	25 - 176	1000
E250-A	1.3 - 21.7	15 - 245	630
E250-PS	2.2 - 21.7	25 - 245	630

### DIMENSIONS & WEIGHT

Model	Grip		Drive Size	Weight
	Dia.	Length		
E180-A	1 1/2"	10"	1/4" F/Hex	19.8 oz.
E180-PS	1 1/2"	10"	1/4" F/Hex	19.8 oz.
E250-A	1 1/2"	10"	1/4" F/Hex	19.8 oz.
E250-PS	1 1/2"	10"	1/4" F/Hex	19.8 oz.

### Torque Covers

Protects from incidental or operator tampering of torque setting. Allows for color coding of specific torque values in production areas.



Black	Blue	Green	Gold	Gray
Item # 145654	Item # 145655	Item # 145656	Item # 145657	Item # 145658



### EZ-GLIDER

The torque arm keeps the tool perpendicular and prevents cross threading and side load.

SEE PAGES 01.35 - 01.41



POWER TOOLS

RoHS



### KEY FEATURES

Various models than range from 0.9 lbf.in to 21.7 lbf.in.

Plugs directly into a power outlet. Does not require a separate power supply.

Automatic power shut off once torque is achieved.

Crafted to rest comfortably in the operators hand and reduces work fatigue with ergonomic handgrip.

External torque adjustment scale.

Push-to-Start and Lever models available.

Duty cycle tool.

110V and 220V models.

Power cord with a noise filter to reduce electronic noise (EMC).

Lightweight.



### POWER BITS

SEE PAGES  
02.4 - 02.5



### Mountz Torque Conversion Calculator

Quickly convert torque measurement from one type of unit measurement to another. Visit [www.mountztorque.com/calculator](http://www.mountztorque.com/calculator)



## KEY FEATURES

Various models that range from 0.9 to 39 lbf.in.

Robotic style electric screwdriver for automated and fixtured applications.

Drivers include a front mounting flange.

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.

Requires STC40-FA 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.

Ensures accuracy in fastening with precision automatic shut-off clutch once preset torque is achieved.

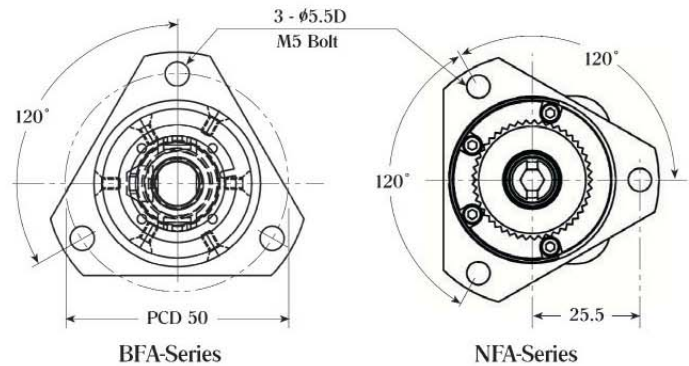
External torque adjustment scale.

Forwarded and reverse direction by switch. Start & stop output signals.

RoHS



## FLANGE DIMENSIONS mm



# E-DRIV® BFA & NFA-Series

Brushless Electric Torque Screwdrivers Robotic Style

Model	Driver Type	Item #	Torque Ranges		Adjustable RPM	Grip Dia.	Length	Drive Size	Weight
			lbf.in	cN.m					
BFA060 ESD	Remote Start	145841	0.9 - 5.2	9.8 - 58.8	700 - 1600	1 1/4"	9"	1/4" F/Hex	14.5 oz
BFA080 ESD	Remote Start	145842	0.9 - 6.9	9.8 - 78.4	450 - 1000	1 1/4"	9"	1/4" F/Hex	14.5 oz
BFA120 ESD	Remote Start	145843	1.7 - 10.4	19.6 - 117.6	300 - 700	1 1/4"	9"	1/4" F/Hex	14.5 oz
NFA150-A ESD	Remote Start	145861	2.6 - 13	29.4 - 147	800 - 1700	1 1/3"	10 1/4"	1/4" F/Hex	18.4 oz
NFA220-A ESD	Remote Start	145862	5.2 - 19	58.9 - 215.8	600 - 1200	1 1/3"	10 1/4"	1/4" F/Hex	18.4 oz
NFA450-A ESD	Remote Start	145863	6.1 - 39	68.7 - 441	300 - 600	1 1/3"	10 1/4"	1/4" F/Hex	18.4 oz



## STC40-FA TRANSFORMER

Model: STC40-FA

Item #145869

Max. Output: 12A

Output VDC: 30 / 40

Input VAC: 110 / 230V

Size (WxDxH): 4 3/8" x 7 1/2" x 2 3/8"

Weight (lbs.): 1.8

FOR DRIVER MODELS:

BFA060 - 120

NFA150 - 450

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E-DRIV  
BFA-SERIES  
& NFA-SERIES

01.11

# 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.



RoHS

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

## NOTE!

\* 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.



## Mountz Tool Selector

Easy to navigate, a guide that assists engineers in selecting the proper tool for the application. Visit [www.mountztorque.com/torque-tool-selector](http://www.mountztorque.com/torque-tool-selector).



## Mountz Learning Center

Your Resource for Torque Knowledge! For more on torque, including "how to" guides, product videos and other useful resources visit [www.mountztorque.com/learning-center](http://www.mountztorque.com/learning-center).



## TRANSFORMER

A transformer is required for the CL-Series drivers.

SEE PAGES  
01.19 & 01.20



## ACCESSORIES

Coiled Cord (shown)  
Right Angle Adapter  
Pistol Grip  
Push-to-Start Adapter  
Vacuum Adapter Kits  
SEE PAGES  
01.45 & 01.47

# SS-Series

## Electric Torque Screwdrivers Low Voltage DC

### KEY FEATURES

Various models that range from 0.17 lbf.in - 17.4 lbf.in.

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

Ergonomically designed clutch and body case reduces impact and vibration transmitted in the screw fastening process.

Low voltage requirement offers superior life and safe operation.

Requires a Transformer (power supply).

External torque adjustment scale.

One way clutch - direct drive in the counter-clockwise direction for easy removal of tightened fasteners.

Available in ESD (see page 01.14), Clean Room, Push-to-Start, Vacuum, and Lever models.



RoHS



### HIOS to HEX ADAPTER

SEE PAGE 01.45



### BITS

Power Bits  
SEE PAGES  
02.4 & 02.5

HIOS Bits (shown)  
SEE PAGE 02.2



### ACCESSORIES

Pistol Grip (shown)  
Push-to-Start Adapter  
Right Angle Adapter  
Vacuum Adapter Kits  
SEE PAGES  
01.45 - 01.47



### TRANSFORMER

A transformer is required for the SS-Series drivers.  
SEE PAGES  
01.19 & 01.20

Model	Driver Type	Item #	Torque Ranges	
			lbf.in	cN.m
SS2000	Lever Start	144022	0.17 - 1.7	2 - 20
SSQ2000	Vacuum*	144105	0.17 - 1.7	2 - 20
SS3000	Lever Start	144031	0.3 - 1.7	3 - 20
SSQ3000	Vacuum*	144033	0.3 - 1.7	3 - 20
SSQ3000CR	Vacuum/Clean Room*	144034	0.3 - 1.7	3 - 20
SS4000X	Lever Start	144217	0.9 - 3.9	10 - 45
SS4000XPS	Push-to-Start	144222	0.9 - 3.9	10 - 45
SSQ4000X	Vacuum*	144219	0.9 - 3.9	10 - 45
SSQ4000XCR	Vacuum/Clean Room*	144224	0.9 - 3.9	10 - 45
SS6500X	Lever Start	144368	2.2 - 11	25 - 130
SSQ6500X	Vacuum*	144372	2.2 - 11	25 - 130
SSQ6500XCR	Vacuum/Clean Room*	144369	2.2 - 11	25 - 130
SS7000X	Lever Start	144236	2.6 - 17.4	30 - 200
SSQ7000X	Vacuum*	144238	2.6 - 17.4	30 - 200
SSQ7000XCR	Vacuum/Clean Room*	144240	2.6 - 17.4	30 - 200

\*All Vacuum and Clean Room models are lever start.

Model	RPM		Grip Dia.	Length	Drive Size	Weight
	30VDC	20VDC				
SS2000	680	490	1"	6 1/2"	4mm HIOS	7.1 oz.
SSQ2000	680	490	1"	6 1/2"	4mm HIOS	7.4 oz.
SS3000	1000	670	1 1/4"	7 1/4"	4mm HIOS	12.5 oz.
SSQ3000	1000	670	1 1/4"	7 1/4"	4mm HIOS	12.8 oz.
SSQ3000CR	1000	670	1 1/4"	7 1/4"	4mm HIOS	12.8 oz.
SS4000X	1000	690	1 1/4"	7 3/4"	1/4" F/Hex	14.1 oz.
SS4000XPS	1000	690	1 1/4"	7 3/4"	1/4" F/Hex	15.9 oz.
SSQ4000X	1000	690	1 1/4"	7 3/4"	1/4" F/Hex	14.4 oz.
SSQ4000XCR	1000	690	1 1/4"	7 3/4"	1/4" F/Hex	14.4 oz.
SS6500X	900	600	1 1/2"	9 1/4"	1/4" F/Hex	23.3 oz.
SSQ6500X	900	600	1 1/2"	9 1/4"	1/4" F/Hex	23.6 oz.
SSQ6500XCR	900	600	1 1/2"	9 1/4"	1/4" F/Hex	23.6 oz.
SS7000X	750	500	1 1/2"	10"	1/4" F/Hex	26.5 oz.
SSQ7000X	750	500	1 1/2"	10"	1/4" F/Hex	26.8 oz.
SSQ7000XCR	750	500	1 1/2"	10"	1/4" F/Hex	26.8 oz.



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SS-SERIES

01.13



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# ESD-Series

Electric Torque Screwdrivers  
Low Voltage DC

## KEY FEATURES

Various models that range from 0.17 lbf.in to 17.4 lbf.in.

Casing designed to prevent electrostatic discharge (ESD). Surface resistance  $10^4$  Ohms.

Preventing the occurrence of electrostatic discharge can improve production yields, manufacturing costs, product quality, product reliability, reputation, and profitability.

Precision "Soft Stop" clutch prevents shock to sensitive assemblies.

Ergonomically designed clutch and body case that reduces impact and vibration transmitted in the screw fastening process.

Requires a Transformer (power supply).

External torque adjustment scale.

One way clutch - direct drive in the counter-clockwise direction for easy removal of tightened fasteners.

Available in Clean Room, Vacuum, and Lever models.

Model	Driver Type	Item #	Torque Ranges	
			lbf.in	cN.m
SS2000-ESD	Lever Start	<b>144104</b>	0.17 - 1.7	2 - 20
SSQ2000CR-ESD	Vacuum/Clean Room*	<b>144035</b>	0.17 - 1.7	2 - 20
SS3000-ESD	Lever Start	<b>144233</b>	0.3 - 1.7	3 - 20
SS3000-ESD	Vacuum*	<b>144252</b>	0.3 - 1.7	3 - 20
SSQ3000CR-ESD	Vacuum/Clean Room*	<b>144259</b>	0.3 - 1.7	3 - 20
SS4000X-ESD	Lever Start	<b>144234</b>	0.9 - 3.9	10 - 45
SSQ4000X-ESD	Vacuum*	<b>144254</b>	0.9 - 3.9	10 - 45
SSQ4000XCR-ESD	Vacuum/Clean Room*	<b>144263</b>	0.9 - 3.9	10 - 45
SS6500X-ESD	Lever Start	<b>144249</b>	2.2 - 11	25 - 130
SSQ6500X-ESD	Vacuum*	<b>144230</b>	2.2 - 11	25 - 130
SSQ6500XCR-ESD	Vacuum/Clean Room*	<b>144226</b>	2.2 - 11	25 - 130
SS7000X-ESD	Lever Start	<b>144231</b>	2.6 - 17.4	30 - 200
SSQ7000X-ESD	Vacuum*	<b>144258</b>	2.6 - 17.4	30 - 200
SSQ7000XCR-ESD	Vacuum/Clean Room*	<b>144262</b>	2.6 - 17.4	30 - 200

\*All Vacuum and Clean Room models are lever start.

Model	RPM		Grip Dia.	Length	Drive Size	Weight
	30VDC	20VDC				
SS2000-ESD	680	490	1"	6 1/2"	4mm HIOS	7.1 oz.
SSQ2000CR-ESD	680	490	1"	6 1/2"	4mm HIOS	7.4 oz.
SS3000-ESD	1000	670	1 1/4"	7 1/4"	4mm HIOS	12.5 oz.
SSQ3000-ESD	1000	670	1 1/4"	7 1/4"	4mm HIOS	12.8 oz.
SSQ3000CR-ESD	1000	670	1 1/4"	7 1/4"	4mm HIOS	12.8 oz.
SS4000X-ESD	1000	690	1 1/4"	7 3/4"	1/4" F/Hex	14.1 oz.
SSQ4000X-ESD	1000	690	1 1/4"	7 3/4"	1/4" F/Hex	14.4 oz.
SSQ4000XCR-ESD	1000	690	1 1/4"	7 3/4"	1/4" F/Hex	14.4 oz.
SS6500X-ESD	900	600	1 1/2"	9 1/4"	1/4" F/Hex	23.3 oz.
SSQ6500X-ESD	900	600	1 1/2"	9 1/4"	1/4" F/Hex	23.6 oz.
SSQ6500XCR-ESD	900	600	1 1/2"	9 1/4"	1/4" F/Hex	23.6 oz.
SS7000X-ESD	750	500	1 1/2"	10"	1/4" F/Hex	26.5 oz.
SSQ7000X-ESD	750	500	1 1/2"	10"	1/4" F/Hex	26.8 oz.
SSQ7000XCR-ESD	750	500	1 1/2"	10"	1/4" F/Hex	26.8 oz.



RoHS

CE



## TOOL CRIB

Holds driver for easy access, mounts in a variety of positions and rotates to 8 settings.  
SEE PAGE O1.45



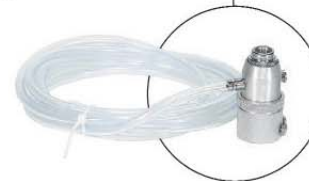
## TRANSFORMER

A transformer is required for ESD-Series drivers.  
SEE PAGES O1.19 & O1.20



## BITS

Power Bits  
SEE PAGES O2.4 & O2.5  
HIOS Bits (shown)  
SEE PAGE O2.2



## ACCESSORIES

Vacuum Adapter Kits  
SEE PAGE O1.47

# VZ-Series

Electric Torque Screwdrivers Direct Plug-In

## KEY FEATURES

- Various models that range from 3.5 - 39 lbf.in.
- Plugs directly into a power outlet. Separate power supply not required.
- Positive auto shut-off.
- Ergonomic hand grip.
- Push-to-Start and Lever operated styles available.
- Duty cycle tool.
- 120 VAC, 10 foot power cord.
- External torque adjustment scale.

Model	Driver Type	Item #	Torque Ranges	
			lbf.in	cN.m
VZ1820	Lever Start	<b>144350</b>	3.5 - 16	40 - 180
VZ1820PS	Push-to-Start	<b>144351</b>	3.5 - 16	40 - 180
VZ3012	Lever Start	<b>144352</b>	7.8 - 26	90 - 300
VZ3012PS	Push-to-Start	<b>144353</b>	7.8 - 26	90 - 300
VZ4506	Lever Start	<b>144378</b>	8.8 - 39	100 - 450
VZ4506PS	Push-to-Start	<b>144377</b>	8.8 - 39	100 - 450

Model	RPM	Grip Dia.	Length	Drive Size	Weight
VZ1820	2000	1 1/2"	11"	1/4" Female/Hex	24 oz.
VZ1820PS	2000	1 1/2"	11"	1/4" Female/Hex	24 oz.
VZ3012	1200	1 1/2"	11"	1/4" Female/Hex	24 oz.
VZ3012PS	1200	1 1/2"	11"	1/4" Female/Hex	24 oz.
VZ4506	600	1 1/2"	11"	1/4" Female/Hex	24 oz.
VZ4506PS	600	1 1/2"	11"	1/4" Female/Hex	24 oz.

RoHS

## VZ ACCESSORIES



### HAND SUPPORT RING

Reduces strain on the operator. Allows operator to increase downward pressure without slipping. Ideal for Push-to-Start models.  
Item #144357



### TORQUE ADJ. COVER

Protects the VZ-Series from incidental operator tampering of torque setting.  
Item #144358



### PISTOL GRIP ATTACHMENT

Provides comfort and versatility.  
Lever Start Models  
Item #144355  
Push-to-Start Models  
Item #144354



### RIGHT ANGLE ADAPTER

For Lever Start models. Ensures perfect results for hard to reach joints.  
Item #144365



### VACUUM PICKUP ATTACHMENT

Provides increased efficiency.  
Item #144356



### SHOCKLESS REACTION STAND

Item #144362  
For Lever Start models. Assists with operator safety.  
Item #144363  
For Push-to-Start models.



### Mountz Tool Selector

Easy to navigate, a guide that assists engineers in selecting the proper tool for the application. Visit [www.mountztorque.com/torque-selector](http://www.mountztorque.com/torque-selector).

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VZ-SERIES  
01.15





RoHS

### KEY FEATURES

Various models that range from 2.2 lbf.in to 39 lbf.in.

High performance brushless motor design provides durability and reduces the standard maintenance costs for electric drivers.

Designed for high production environments. Minimal heat build-up even when tool is operated continuously.

Plugs directly into a power outlet. Separate power supply not required.

Positive auto shut-off.

Push-to-Start and Lever operated styles available.

Duty cycle tool.

120 VAC, 10 foot power cord.

External torque adjustment scale.



### TOOL CRIB

Prevents broken or dropped tools. Reduces tool bench clutter. Easy operator access. Mounts in a variety of positions on the work bench or the production line. The flexible ToolCrib can rotate to 8 locations. Hole at the bottom of ToolCrib allows for a bit to pass through. Crafted with durable aluminum.

**Item #064000**  
SEE PAGE O1.45

# VB-Series

## Brushless Electric Torque Screwdrivers Direct Plug-In

Model	Driver Type	Item #	Torque Ranges	
			lbf.in	cN.m
VB1510	Lever Start	<b>144280</b>	2.2 - 13	25 - 150
VB1510PS	Push-to-Start	<b>144281</b>	2.2 - 13	25 - 150
VB1820	Lever Start	<b>144282</b>	3.5 - 16	40 - 180
VB1820PS	Push-to-Start	<b>144283</b>	3.5 - 16	40 - 180
VB3012	Lever Start	<b>144284</b>	4.3 - 26	50 - 300
VB3012PS	Push-to-Start	<b>144285</b>	4.3 - 26	50 - 300
VB4504	Lever Start	<b>144286</b>	8.7 - 39	100 - 450
VB4504PS	Push-to-Start	<b>144287</b>	8.7 - 39	100 - 450

Model	RPM	Grip Diameter	Length	Drive Size	Weight
VB1510	970	1 1/4"	10"	1/4" Female/Hex	18.6 oz.
VB1520PS	970	1 1/4"	10"	1/4" Female/Hex	18.6 oz.
VB1820	2000	1 1/2"	11 1/4"	1/4" Female/Hex	26.5 oz.
VB1820PS	2000	1 1/2"	11 1/4"	1/4" Female/Hex	26.5 oz.
VB3012	1200	1 1/2"	11 1/4"	1/4" Female/Hex	26.5 oz.
VB3012PS	1200	1 1/2"	11 1/4"	1/4" Female/Hex	26.5 oz.
VB4504	400	1 1/2"	11 1/4"	1/4" Female/Hex	26.5 oz.
VB4504PS	400	1 1/2"	11 1/4"	1/4" Female/Hex	26.5 oz.

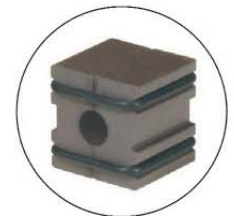
### ACCESSORIES

Pistol Grip Attachment (Push-to-Start Models)  
**Item #144274**

Right Angle Adapter for Lever Start Models  
**Item #144365**

Hand Support Ring **Item #144357**

Vacuum Pickup Attachment  
**Item #144356**



### MAGNETIZER / DEMAGNETIZER

Magnetize or demagnetize bits and parts instantly.  
**Item #120815**  
SEE PAGE O1.45

### TOOL BALANCERS

Provides easy handling for operators that work with tools for long, continuous hours.  
SEE PAGE O1.42



### Mountz Tool Selector

Easy to navigate, a guide that assists engineers in selecting the proper tool for the application. Visit [www.mountztorque.com/torque-tool-selector](http://www.mountztorque.com/torque-tool-selector).

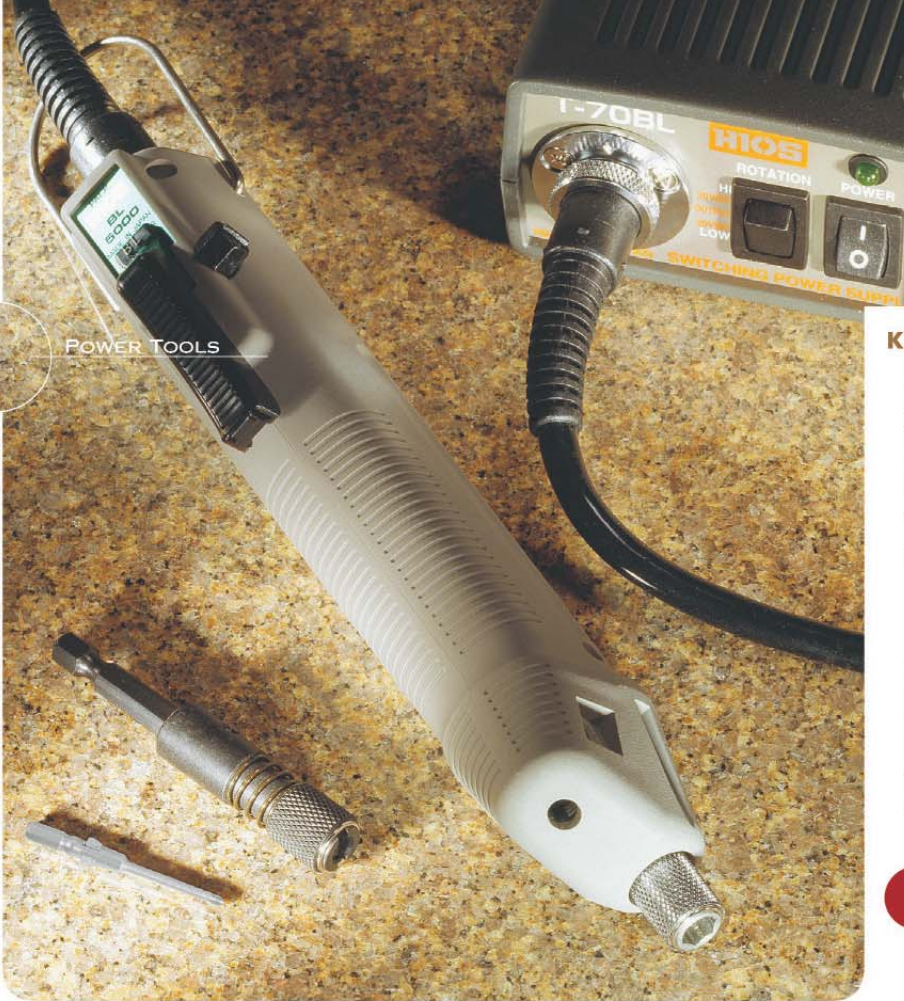


### Mountz Learning Center

Your Resource for Torque Knowledge! For more on torque, including "how to" guides, product videos and other useful resources visit [www.mountztorque.com/learning-center](http://www.mountztorque.com/learning-center).

# BL-Series

## Brushless Electric Torque Screwdrivers



### KEY FEATURES

Various models that range from 0.17 - 30 lbf.in.

High performance brushless motor design provides durability and reduces the standard maintenance cost for electric drivers.

Designed for high production environments. Minimal heat build-up even when tool is operated continuously.

Soft texture ergonomic grip.

#### Start Systems

BL-2000 models: Lever Start.

BL-3000, 5000 and 7000 models: Two-way Start System (switchable between Lever Start and Push-to-Start).

Vacuum and ESD models available.

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

Torque adjustment scale.

Requires a transformer (power supply).



### NOTE!

\*OPC models are designed to only operate with the HIOS BLOP-STC Screw Counter Transformer, see pages 01.19 & 01.20

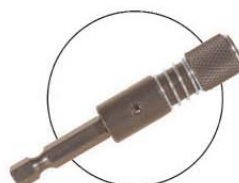
Model	Driver Type	Item #	Torque Ranges		RPM		Grip Dia.	Length	Drive Size	Weight
			lbf.in	cN.m	High	Low				
BL-2000ESD	ESD Lever Start	144390	0.17 - 1.7	2 - 20	990	650	1"	6 3/4"	4mm HIOS	9 oz.
BL-2000ESD-OPC*	ESD Lever Start	144312	0.17 - 1.7	2 - 20	990	650	1"	6 3/4"	4mm HIOS	9 oz.
BL-3000	Lever & Push-to-Start	144393	1.7 - 4.8	2 - 55	980	680	1 1/4"	7 1/2"	4mm HIOS	11.3 oz.
BLQ-3000	Vacuum Lever Start & Push-to-Start	144394	1.7 - 4.8	2 - 55	980	680	1 1/4"	7 1/2"	4mm HIOS	11.6 oz.
BL-3000ESD	ESD Lever & Push-to-Start	144395	1.7 - 4.8	2 - 55	980	680	1 1/4"	7 1/2"	4mm HIOS	11.3 oz.
BLQ-3000ESD	Vacuum/ESD Lever & Push-to-Start	144396	1.7 - 4.8	2 - 55	980	680	1 1/4"	7 1/2"	4mm HIOS	11.6 oz.
BL-3000-OPC*	Lever & Push-to-Start	144313	1.7 - 4.8	2 - 55	980	680	1 1/4"	7 1/2"	4mm HIOS	11.3 oz.
BL-5000X	Lever & Push-to-Start	144383	1.7 - 10	20 - 120	900	590	1 1/4"	8"	1/4" Female/Hex	12.7 oz.
BLQ-5000X	Vacuum Lever & Push-to-Start	144388	1.7 - 10	20 - 120	900	590	1 1/4"	8"	1/4" Female/Hex	13 oz.
BL-5000XESD	ESD Lever & Push-to-Start	144385	1.7 - 10	20 - 120	900	590	1 1/4"	8"	1/4" Female/Hex	12.7 oz.
BLQ-5000XESD	Vacuum/ESD Lever & Push-to-Start	144387	1.7 - 10	20 - 120	900	590	1 1/4"	8"	1/4" Female/Hex	13 oz.
BL-5000X-OPC*	Lever & Push-to-Start	144389	1.7 - 10	20 - 120	900	590	1 1/4"	8"	1/4" Female/Hex	12 oz.
BL-7000X	Lever & Push-to-Start	144397	6.1 - 24	70 - 280	960	630	1 1/2"	8"	1/4" Female/Hex	22.6 oz.
BL-7000XESD	ESD Lever & Push-to-Start	144398	6.1 - 24	70 - 280	960	630	1 1/2"	9 1/2"	1/4" Female/Hex	22.6 oz.
BL-7000X-OPC*	Lever & Push-to-Start	144376	6.1 - 24	70 - 280	960	630	1 1/2"	9 1/2"	1/4" Female/Hex	22.6 oz.
BL-7000X-HT	Lever & Push-to-Start	144399	6.1 - 30	70 - 340	700	500	1 1/2"	9 1/2"	1/4" Female/Hex	22.6 oz.
BL-7000X-HTESD	ESD Lever & Push-to-Start	144309	6.1 - 30	70 - 340	700	500	1 1/2"	9 1/2"	1/4" Female/Hex	22.6 oz.



### BITS

Power Bits  
SEE PAGES 02.4 & 02.5

HIOS Bits (shown)  
SEE PAGE 02.2



### HEX to HIOS ADAPTER

SEE PAGE 01.45



### TOOL BALANCERS

Provides easy handling for operators that work with tools for long, continuous hours.  
SEE PAGE 01.42



# Scout II

## Screw Counter

RoHS

CE

MUST CONNECT WITH A:



### TRANSFORMERS

The Scout is designed to interface only with the STC30 Plus, STC40, ET-30D, FT-30D, YFC-35D and works with most Mountz electric screwdrivers.

SEE PAGES 01.19 - 01.20



### ELECTRIC SCREWDRIVERS

Operates with:  
 BF-Series, SEE PAGE 01.6  
 EF & K-Series, SEE PAGE 01.9  
 CL-Series, SEE PAGE 01.12  
 SS-Series, SEE PAGE 01.13  
 ESD-Series, SEE PAGE 01.14  
 NF-Series, SEE PAGE 01.7  
 YF-Series, SEE PAGE 01.4

### KEY FEATURES

- Detect and eliminate costly screw-fastening errors.
- Detects - cross threading, omissions, unfinished rundowns and cycle complete.
- Detection of fastening error and buzzer alert. Displays error condition.
- Fastener accept and reject lights (Go / No Go).
- Visual assembly fastener count (count up or down), including total count.
- Measure and program fastening time.
- Ability to store multiple fastener settings with the Parameter mode.
- Adjustable parameter settings for the buzzer.
- Password protection and wall mountable.
- The Scout can be powered via external power supply (24VDC 1A) or by a transformer model: STC30 Plus, STC40, ET-30D, FT-30D.
- Programming via PC software or through Scout unit.
- Maximum 4 screwdrivers can share one program (4 ports).

Outputs for machine and PLC interface for line control:

#### Input Features

- Cycle Start
- Driver Lock (prevents driver activation until PLC input signal)

#### Output Features

- OK
- NG
- Buzzer Alarm
- Cycle End

### LEGEND

- (A) Power Input
- (B) RS232 Com Port
- (C) USB Com Port
- (D) Key Pads
- (E) Transformer Ports
- (F) Fastening Result (OK or No Good)
- (G) Numeric LED
- (H) Menu LCD

### SCOUT SCREW COUNTER

Dimensions: 5 1/3" x 5 1/3" x 1 1/4" (WxLxH)  
 Weight: 1 lb.

Item #145790

### CHARGER, SCOUT II

24VDC 1A.

Item #14-GCM6913

# Transformers

## Power Supplies for DC Electric Screwdrivers



### STC30 TRANSFORMER (Built-in Controller)

Selectable output voltage.

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 110 & 230V input voltage. Unit will reset if motor/current is too high.

Start and Stop Signal Output (for PLC).

Selectable Soft Start (from 0.2 - 0.6 seconds).

Selectable Double Hit mode for soft joint applications.

Screwdriver lock Signal Input (for PLC).

Unit can be connected to the Scout (Screw Counter).

Model: STC30 Plus v4.3

Item #145683

FOR DRIVER MODELS:

A4500 - 5000

CL2000 - 7000

EF030 - 180

K250 - 450

Model: STC30 Plus v4.3

Item #145684

FOR DRIVER MODELS:

SS2000 - 7000\*

\*Note - Also the ESD-Series models on page 01.14

Rated Output: 2.5A

Max. Output: 5A

Fuse: 6.3A

Break: -

Output VDC: 20 / 30 or 30 / 38

Input VAC: 110 / 230

Size (WxDxH): 4 3/8" x 7 1/2" x 2 3/8"

Weight (lbs.): 1.8

RoHS



### STC40 TRANSFORMER (Built-in Controller)

Selectable output voltage.

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 110 & 230V input voltage. Unit will reset if motor/current overload is too high.

Start and Stop Signal Output (for PLC).

Screwdriver lock Signal Input (for PLC).

Unit can be connected to the Scout (Screw Counter).

Model: STC40

Item #145754

Max. Output: 10A

Output VDC: 30 / 40

Input VAC: 110 / 230V

Size (WxDxH): 4 3/8" x 7 1/2" x 2 3/8"

Weight (lbs.): 1.8

FOR DRIVER MODELS:

BF035 - 120

NF150 - 450

RoHS



Note: The program lock key is required for the BF and NF-Series Standard models and Soft Stop models. RPM & Soft Start Settings can not be adjusted without it.

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



### MC-70L TRANSFORMER

Operates between 2 - 20 tools, depending on type of drivers being used. Requires CB105 Sub Control Boxes (see below). Selectable two speed (high and low). The maximum number of drivers that can be used with the MC-70L is based on the premise that all drivers will be in use simultaneously.

Model: MC-70L

Item #144164

Max. Output: 15A

Fuse: 5A

Break: 10A

Output VDC: 20 / 30

Input VAC: 120

Size (WxDxH): 12 1/2" x 8 2/3" x 6"

Weight (lbs.): 26.4

(UP TO 5 DRIVERS)

A6500

(UP TO 10 DRIVERS)

A4500 - 5000

CL6000 - 7000

SS6500 - 7000

(UP TO 20 DRIVERS)

CL2000 - 4000

SS2000 - 4000

RoHS



### SUB CONTROL BOX

For use with MC-70L.

Each control box has its own circuit board that diverts power from the motor to an electromagnetic brake when the driver reaches its preset torque.

Model: CB105

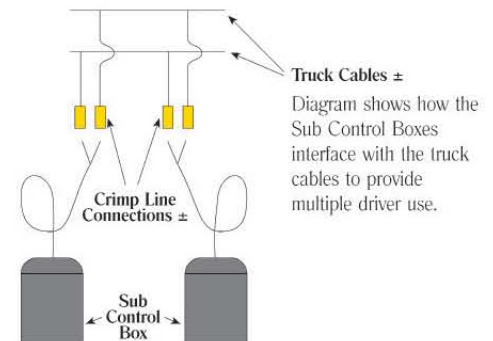
(includes a ground wire)

Item #144250

Cord Length: 78"

Size (WxDxH): 2 3/4" x 1 2/3" x 4"

Weight (oz.): 18.5



### PROGRAM LOCK KEY

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.

Item #145774

Note: The program lock key is required for the BF and NF-Series Standard models and Soft Stop models. RPM & Soft Start Settings can not be adjusted without it.

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



### U-3B INTERFACE CONVERTER

The PLC interface converter provides three types of signals by converting the open collector signal from STC 30 Plus v4.3 and STC 40

Model: U-3B

Item #145753

Size (WxDxH): 3" x 2 3/8" x 1"

Weight (oz.): 3.6

#### Types of Signals:

Open Collector by Opto-Coupler (Reversed)

Relay Contact (Normal Close)

Relay Contact (Normal Open)

Opto-Coupler: 12 - 24 V (10mA max)

Relay Contact: 30VDC (1A max)



### T-70BL TRANSFORMER (Built-in Controller)

Operates BL Series electric screwdrivers.  
Switching power supply 100 - 240V.  
Selectable two speed. Mountable brackets.

Model: T-70BL  
**Item #144400**  
Max. Output: 2A  
Fuse: - 3.15A  
Output VDC: 31  
Input VAC: 100 - 240  
Size (WxDxH): 3 1/2" x 8 1/4" x 2"  
Weight (lbs.): 1.5  
**FOR DRIVER MODELS:**  
BL2000 - 7000

RoHS



### T-30BL TRANSFORMER (Built-in Controller)

Switching power supply 100 - 240V.  
Selectable two speed. Mountable brackets.

Model: T-30BL  
**Item #144300**  
Max. Output: 1A  
Fuse: 2A  
Break: 4A  
Output VDC: 31  
Input VAC: 100 - 240  
Size (WxDxH): 2 1/2" x 5 1/4" x 1 1/2"  
Weight (lbs.): 0.7  
**FOR DRIVER MODELS:**  
BL2000 - 3000

RoHS



## TRANSFORMERS with SCREW COUNTER (Built-in Controller)

Power supply with built-in screw counter. The quality control device provides visual assembly fastener count and audible reject alarm. Detects - cross threading, omissions, unfinished rundowns and cycle complete. (Visit website for more detail and images.)



Model: CLT-70STC3  
**Item #144296**  
Max. Output: 4.5A  
Fuse: 3A  
Output VDC: 20 / 31  
Input VAC: 100 - 240  
Size (WxDxH): 5" x 8 1/8" x 3"  
Weight (lbs.): 3.5  
**FOR DRIVER MODELS:**  
CL2000 - 7000  
A4500 - 6500  
SS2000 - 7000

RoHS



Model: BLOP-STC3  
**Item #144175**  
Max. Output: 4.5A  
Fuse: 3A  
Output VDC: 20 / 31  
Input VAC: 100 - 240  
Size (WxDxH): 5" x 8 1/8" x 3"  
Weight (lbs.): 4  
**FOR DRIVER MODELS:**  
BL2000 OPC - 7000 OPC\*

RoHS



\*Only operates with the "OPC" models from the BL-Series. Cannot operate with standard BL models.



### CLT-50 TRANSFORMER (Built-in Controller)

Selectable two speed (high and low).

Model: CLT-50  
**Item #144276**  
Max. Output: 2.5A  
Fuse: 2A  
Break: 4A  
Output VDC: 20 / 30  
Input VAC: 120  
Size (WxDxH): 4 1/8" x 7 1/4" x 3 5/8"  
Weight (lbs.): 6  
**FOR DRIVER MODELS:**  
CL2000 - 7000  
SS2000 - 7000  
A4500 - 6500\*



\*CLT-50 may be used with A-6500 if torque is to be less than 10 lbf.in



### CLT-60 TRANSFORMER (Built-in Controller)

Switching power supply 100 - 240V.  
Selectable two speed (high and low).  
Mountable brackets.

Model: CLT-60  
**Item #144360**  
Max. Output: 2.5A  
Fuse: 5A  
Output VDC: 20 / 30  
Input VAC: 100 - 240V  
Size (WxDxH): 3 1/2" x 8 1/4" x 2"  
Weight (lbs.): 1.8  
**FOR DRIVER MODELS:**  
A4500 - 6500  
CL2000 - 7000  
SS2000 - 7000

RoHS



### CLT-80 TRANSFORMER (Built-in Controller)

Switching power supply 100 - 240V.  
Selectable two speed (high and low).  
Mountable brackets.

Model: CLT-80  
**Item #144279**  
Max. Output: 8A  
Fuse: 5A  
Break: -  
Output VDC: 20 / 30  
Input VAC: 100 - 240V  
Size (WxDxH): 4 1/2" x 8 1/2" x 2"  
Weight (lbs.): 3.5  
**FOR DRIVER MODEL:**  
CL9000

RoHS



### CLT-100 TRANSFORMER (Built-in Controller)

Operates two drivers, either individually or simultaneously. The design of the circuit assures that the performance will not be affected by the operating the second driver.

Model: CLT-100  
**Item #144174**  
Max. Output: 3.5A  
Fuse: 2A  
Break: 4A  
Output VDC: 20 / 30  
Input VAC: 120  
Size (WxDxH): 7 1/8" x 5 3/4" x 5 1/8"  
Weight (lbs.): 8.8  
**FOR DRIVER MODELS:**  
A4500 - 6500  
SS2000 - 7000  
CL2000 - 7000

RoHS



### ET-30D TRANSFORMER

RoHS



Model: ET-30D  
**Item #145899**  
Max. Output: 1A  
Output VDC: 30  
Input VAC: 110 - 230V  
Size (WxDxH): 2 3/4" x 5 1/8" x 1 1/2"  
Weight (oz.): 8.8

**FOR DRIVER MODELS:**  
EFO30, EFO40 & E055



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 110 - 230V input voltage. Unit will reset if motor/current overload is too high.

Unit can be connected to the Scout (Screw Counter).



### FT-30D TRANSFORMER

RoHS



Model: FT-30D  
**Item #145870**  
Max. Output: 1.2A  
Output VDC: 30  
Input VAC: 110 - 230V  
Size (WxDxH): 2 3/4" x 5 1/8" x 1 1/2"  
Weight (oz.): 8.8

**FOR DRIVER MODELS:** BFO35 & BFO45

**Note:** The program key is required for the BFO35 & BFO45. RPM Settings can not be adjusted without it.

# FlexC

Cordless Torque Controlled Screwdrivers

**flexPower**  
by mountz

POWER TOOLS



## KEY FEATURES

- Various models that range from 8.8 - 265.5 lbf.in.
- Built for torque control and durability, the cordless torque tools feature a high capacity lithium-ion battery.
- Ideal for applications where air or electric power is not easily accessible.
- Precision auto shut-off clutch for accurate repeatability.
- Runs down about 1200-1400 fasteners (depending on joint and length of fastener) before recharge.
- Audible and visual alarms alert operator for torque completion.
- Low battery warning beep and auto tool shutdown when power diminishes.
- Trigger repeat protection (0.7 seconds).
- Easy torque adjustment on clutch (adjustment tool included).
- Protects from incidental or operator tampering of torque setting.
- LED lamp illuminates work area.
- Quick change battery.

## Right Angle Models

High performance brushless motor design that provides durability and reduces the standard maintenance costs for cordless screwdrivers.

Adjustable head positions.

Right Angle models (only) include three different colored rings, which allows color coding of specific torque values in production areas.



## NOTE!

Charger and battery are sold separately.

## ACCESSORIES

	Item #
FLEXC Li-ion Battery (10.8V 3.0Ah)	360320
FLEXC Li-ion Battery (14.4V 3.0Ah)	360321
Charger (100 - 240 VAC) for FLEXC Batteries (10.8V - 14.4V)	360322
Belt for FLEXC (Pistol Models)	360325

## PISTOL MODELS

Model	Item #	Torque Ranges		Length	Weight w/Battery
		lbf.in	N.m		
FLEXC-3PX	360300	8.8 - 30.9	1 - 3.5	7 7/8"	3.3 lbs.
FLEXC-8PX	360301	17.7 - 70.8	2 - 8	7 7/8"	3.3 lbs.
FLEXC-11PX	360302	26.5 - 97.3	3 - 11	7 7/8"	3.3 lbs.
FLEXC-12PX	360303	35.4 - 106.2	4 - 12	7 7/8"	3.3 lbs.

Model	Drive Size	RPM	Bolt Capacity	Li-ion Battery	Voltage
FLEXC-3PX	1/4" Female/Hex	1100	M3-M4	3.0 A.h.	10.8
FLEXC-8PX	1/4" Female/Hex	800	M4-M5	3.0 A.h.	10.8
FLEXC-11PX	1/4" Female/Hex	500	M4-M6	3.0 A.h.	10.8
FLEXC-12PX	1/4" Female/Hex	300	M4-M6	3.0 A.h.	10.8

## RIGHT ANGLE MODELS

Model	Item #	Torque Ranges		Length w/Battery	Weight w/Battery
		lbf.in	N.m		
FLEXC-8RX	360304	17.7 - 70.8	2 - 8	18"	4 lbs.
FLEXC-8R	360305	17.7 - 70.8	2 - 8	18"	4 lbs.
FLEXC-16RX	360306	44.3 - 141.6	5 - 16	18"	4 lbs.
FLEXC-16R	360307	44.3 - 141.6	5 - 16	18"	4 lbs.
FLEXC-30R	360308	70.8 - 265.5	8 - 30	18"	4.6 lbs.

Model	Drive Size	RPM	Bolt Capacity	Li-ion Battery	Voltage
FLEXC-8RX	1/4" Female/Hex	730	M4-M5	3.0 A.h.	10.8
FLEXC-8R	1/4" Square Drive	730	M4-M5	3.0 A.h.	10.8
FLEXC-16RX	1/4" Female/Hex	730	M5-M6	3.0 A.h.	10.8
FLEXC-16R	3/8" Square Drive	270	M5-M6	3.0 A.h.	10.8
FLEXC-30R	3/8" Square Drive	330	M6-M8	3.0 A.h.	14.4

FLEXC  
CORDLESS



800.456.1828

01.21

# FlexC II

Cordless Brushless Torque Screwdrivers

**flexPower**  
by mountz

## KEY FEATURES

- Various models that range from 7 - 106.2 lbf.in.
- High performance brushless motor design that provides durability and reduces the standard maintenance costs for cordless screwdrivers.
- Speed control with an adjustable RPM range (Programmer Required).
- LED indicator signals process verification information to the operator.
- Built for torque control and durability, the cordless torque tools feature a high capacity lithium-ion battery.
- Precision auto shut-off clutch for accurate repeatability.
- Rugged portable tool designed with heavy-duty alloy steel gears.
- Soft texture ergonomic grip.
- Ideal for applications where air or electric power is not easily accessible.
- Audible and visual alarms alert operator for torque completion.
- Low battery warning beep and auto tool shutdown when power diminishes.
- Easy torque adjustment on clutch (adjustment tool included).
- Protects from incidental or operator tampering of torque setting.
- LED lamp illuminates work area.
- Trigger repeat protection (0.7 seconds).
- Quick change battery.

Model	Item #	Torque Ranges			Length	Weight w/Battery
		lbf.in	N.m			
FLEXCII-3PX	360310	7 - 26.6	0.8 - 3	8"	3.3 lbs.	
FLEXCII-8PX	360311	8.8 - 53.1	1 - 6	8"	3.3 lbs.	
FLEXCII-11PX	360312	13.3 - 79.6	1.5 - 9	8"	3.3 lbs.	
FLEXCII-12PX	360313	17.7 - 106.2	2 - 12	8"	3.3 lbs.	

Model	Drive Size	Adjustable RPM*	Bolt Capacity	Li-ion Battery	Voltage
FLEXCII-3PX	1/4" F/Hex	500 - 1550	M3-M4	1.5 A.h.	18V
FLEXCII-8PX	1/4" F/Hex	300 - 900	M3-M5	1.5 A.h.	18V
FLEXCII-11PX	1/4" F/Hex	300 - 700	M3-M5	1.5 A.h.	18V
FLEXCII-12PX	1/4" F/Hex	250 - 550	M4-M6	1.5 A.h.	18V

## NOTE!

Charger, battery and Programmer are sold separately.  
Adjustable RPM\* setting on the tool (Programmer Required).  
Tool includes: Adjusting tool, 4 colored different rings and hanger.



**Mountz Learning Center**  
Your Resource for Torque Knowledge! For more on torque, including "how to" guides, product videos and other useful resources visit [www.mountztorque.com/learning-center](http://www.mountztorque.com/learning-center).



## ACCESSORIES for FLEXC II

### PROGRAMMER

Item #360332

Adjust speed setting by connecting Programmer to the screwdriver.

One module to program speed settings for multiple tools.

Memory to record total rundowns.

Mini USB Port.



**CHARGER** (100 - 240 VAC)  
for FLEXC II Batteries (18V)  
Item #360327



**Li-ion BATTERY**  
(18V 1.5Ah)  
Item #360326

LED indicator signals process verification information to the operator.





RoHS

**KEY FEATURES**

- Virtually shock-free operation.
- Low noise, vibration and maintenance.
- Built-in optical encoder.
- Custom software.
- Programmable digital torque settings.
- Current controlled Servo motor.
- Automatic recognition.
- Preset data memory (available in FED only).
- Reliable regardless of joint characteristic.
- Suitable for clean room uses (Class 100).

**PED AND FED CONTROLLERS**

They are comprised of a 32 bit risc-processor. Both controllers adopt the same fastening process control technology. An optical encoder inside each screwdriver monitors the rotation of the driver motor from the initial rotation until the completion of the fastening cycle. The torque coefficient or factors which influence the torque, is calculated by the controllers software from the continuously monitored electric current to the screwdriver motor and the time factor. The electric current from the controller to the screwdriver motor is based on that continuous analysis, controlled instant by instant. The screwdrivers torque output is in proportion to the controllers electric current output to the screwdrivers motor. The screwdrivers torque curve takes 0.1 seconds and is calculated by a functional circuit until it reaches the target torque. Once the target torque has been reached, it holds that torque for 0.2 seconds to stabilize the torque output.

- PED controller has 1 channel for setting the torque output as a standard (2 channel available).
- FED controller installed on a robot can catch and loosen an already seated (fastened) screw, and has memory for 8 preset fastening torque settings and 8 preset angle settings.
- BOTH controllers can be used for manual and automatic applications.

**Mountz Tool Selector**

Easy to navigate, a guide that assists engineers in selecting the proper tool for the application. Visit [www.mountztorque.com/torque-tool-selector](http://www.mountztorque.com/torque-tool-selector).



# PED & FED

## Generation III - Torque Control System

### CUSTOM OPTIONS AND SETTINGS

User friendly Windows 95/98/NT® based software is available to customize the functions and parameters of the PEDIII and FEDIII controller.

#### Custom Functions

- LED (for M and S drivers).
- Screw binding release.
- Trigger switch and Forward/Reverse switch (for M and S drivers).
- Dual Torque: Manual or Auto Change-Over (for PEDIII).
- Slow start for initial engagement to minimize shock and cross threading of fasteners.

#### User Parameter Settings

- Changeable unit of measure (kgf.cm, N.m, lbf.in).
- Driver LED.
- Standard speed fastening.
- High speed fastening.
- Holding time of Peak torque (0 - 200ms).
- Screw binding release function parameters.
- Reversing parameters (FEDIII only).
- Idle mode parameters (FEDIII only).
- ATC (Auto Torque Compensation) fine-tuning to adjust the mechanical characteristics of the driver.

#### Multi-Sequence Operation

A programmable multi-sequence operation without a PLC (FEDIII) is available with the customized software.

### FASTENING TORQUE RANGE AND RPM

The Driver Specifications below show the torque range for the drivers.

The RPM is automatically selected in accordance with the torque value you program into the controller.

Each model has the ability to switch to either standard or high speed using the customized software.

If you require any specific RPM for certain fastening torque, please feel free to contact a customer service representative. We need to know your specific fastening torque in use, so we can determine if the RPM you require can be achieved.

Driver#	Torque Ranges (kgf.cm)			RPM	
	Output	Setting	Minimum	Standard Speed	High Speed
1200	0.3 - 1.2	0.24 - 1.35	0.01	350 - 1300	-
2200	0.5 - 2.2	0.5 - 2.4	0.02	130 - 750	-
3600	1.0 - 3.6	0.8 - 4.0	0.02	160 - 540	270 - 780
8500	2.0 - 8.5	1.6 - 10.0	0.1	60 - 320	100 - 650
12K	3.0 - 12	2.7 - 13.0	0.1	40 - 160	150 - 500
15K	4.0 - 15	3.5 - 16.5	0.1	30 - 100	150 - 450
20K	5.0 - 20	4.5 - 22.0	0.1	25 - 110	60 - 250
30K**	7.0 - 30	7.0 - 30	0.1	25 - 110	40 - 160

\*\*Not offered in M-Series

Models are available with torque range in lbf.in

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### DRIVERS

#### M-SERIES with automatic recognition

Forward/reverse operation with lever type on/off switch that activates the motor. Connects to FEDIII or PEDIII controllers. Used in hand operated applications. Equipped with a 1/4" female hex or 4mm diameter, D-Cut drive. FD & FH models (see chart below) come with a bit cushion mechanism, which has a moveable range of 10mm on the axis direction. The driver keeps the same bit pressure anywhere within the moveable range.

#### S-SERIES with automatic recognition

Forward/reverse operation with lever type on/off switch that activates the motor. Connects to FEDIII or PEDIII controllers. Used in hand operated applications. Equipped with a 4mm diameter, D-Cut drive. FD models (see chart below) come with a bit cushion mechanism, which has a moveable range of 10mm on the axis direction. The driver keeps the same bit pressure anywhere within the moveable range.

#### A-SERIES with automatic recognition

The driver power and direction is controlled by either the FEDIII or PEDIII controllers, and are used for automatic applications. Equipped with a 1/4" female hex or 4mm diameter, D-Cut drive. FD & FH models (see chart below) come with a bit cushion mechanism, which has a moveable range of 10mm on the axis direction and ±1mm (from bit center) in the circumference direction (360°). The driver keeps the same bit pressure anywhere within the moveable range.

Driver Series					
M	S	A	Description	Drive Size	Driver #
SD	-	-	w/o Bit Cushion	4mm Dia, D-Cut	1200, 3600, 8500, 12K
FD	-	-	with Bit Cushion	4mm Dia, D-Cut	1200, 3600, 8500, 12K
SH	-	-	w/o Bit Cushion	1/4" F/Hex	8500, 12K, 15K, 20K
FH	-	-	with Bit Cushion	1/4" F/Hex	8500, 12K, 15K, 20K
-	SD	SD	w/o Bit Cushion	4mm Dia, D-Cut	1200, 2200, 3600, 8500, 12K
-	FD	FD	with Bit Cushion	4mm Dia, D-Cut	1200, 2200, 3600, 8500, 12K
-	-	SH	w/o Bit Cushion	1/4" F/Hex	8500, 12K, 15K, 20K, 30K
-	-	FH	with Bit Cushion	1/4" F/Hex	8500, 12K, 15K, 20K, 30K

### SYSTEM CONFIGURATION

The product line-up offers several choices to meet your requirements. The following will explain how to specify a system:

**System** (a controller + driver series/driver# + configuration)

Example: ● - ▲ ■ - ● (PEDIII - M8500 - SH)

● Controller Models: PEDIII and FEDIII

▲ Driver Series: M, S and A

■ Driver#: 1200, 2200, 3600, 8500, 12K, 15K, 20K and 30K

● Configuration: SD, FD, SH, and FH

### BIT SLEEVE & GUIDE

A bit sleeve is unique to the application. In order to complete the order for your system, we require:

- sample of fastener or dimensions of fastener
- specific driver style being used
- shank diameter
- special requirements, i.e. space restrictions

World's first Hybrid torque control assembly system!



### KEY FEATURES

#### Controller

Programmable digital torque setting with memory for 8 preset torque settings.  
 Real-time monitoring and torque control of the tightening process.  
 Selectable speed up to 1,800 rpm.  
 Programming and monitoring with PC software.  
 Programmable multi-sequence operation.

#### Brushless Electric Screwdrivers

Various models that range from 0.3 - 39 lbf.in Electric Screwdrivers feature a high performance brushless motor design that provides durability and reduces the standard maintenance costs for electric screwdrivers.  
 ESD housing and bit tip control to 1 ohm, (cable not ESD).  
 Low inertial force provides smooth reaction-less operation with little G force to assembled parts.  
 Low noise, vibration and maintenance.

#### I/O Interface & Settings

25P I/O interface to a PLC or 8 direct sensor ports.  
 Sensor ports for preset selection and screw counting.  
 Input via sensor ports for presets.  
 Input / Output for PLC.

#### Built-in Screw Counter

Detection of fastening error and displays error condition.  
 Visual assembly fastener count (count up or down), including total count.  
 Real time monitoring by PC program.  
 Detects - cross threading, omissions, unfinished rundowns and cycle complete.  
 0 to 99 screws.

#### Screw Counting Selections

Auto.  
 Start (Continuous on).  
 Start Pulse with time limit.  
 Start Pulse and Finish pulse.

#### Preset Parameter Settings

Four selectable units of measure: Lbf.in, N.m, Kgf.cm, ozf.in (ozf.in only available with HDC30i Controller)  
 Selectable settings for Torque, Speed, Min & Max Angle, and Soft Start time.  
 Maximum angle control and verification  
 Minimum angle control and error reporting

#### Motor Run Time Limits

Motor run time limits, forward and reverse.  
 Motor stall time limit.  
 Sleep time.  
 Motor acceleration for soft start.

#### LED Display Selections

Preset and Speed.  
 Preset and Torque.  
 Converted Torque Idle & Target Torque (Running)  
 Count setting and remaining screw count.  
 Count setting and remaining screw count (Idle) + Preset and Torque (Running).  
 Count setting and remaining screw count + Preset and Torque (Alternating).

#### Output Signal Types

Count complete  
 Torque up and Count complete.  
 Alarm, screw missing.



# HD-Series

## Hybrid Torque Control System

Mountz introduces the Hybrid Torque Control System, a revolutionary change in repeatable screw fastening technology. The patented HD-Series Torque Control System is the world's first torque control tool using both air and electric power to set and control torque. The HD's precise pneumatic pressure sensor and patented algorithm allow for precision digital torque selection. It provides real-time monitoring and torque control of the tightening process. It provides repeatability of the torque applied to screws, regardless of joint characteristics and frictional differences in actual applications.

### Key Benefits

<b>Productivity/Flexibility</b>	Increase productivity with one tool instead of 2 - 8 tools. Perfect for cell based manufacturing environments, change torque via front panel, PLC or direct connection to I/O on controller.
<b>Quality</b>	Visual digital torque & speed control. Built in screw counter, error detection, fastening strategy setting and customized software package provide documented fastening and control.
<b>Cost</b>	Less than half the cost of conventional DC control tools - state of the art technology at a fraction of the price. Replace 2 - 4 tools with 1 Hybrid system.



## CONTROLLERS



Display Window

Control Buttons

Connection to Driver



Com Port Usage Selector

USB Port

25P I/O Interface

RS-232C Port

Air Pressure Inlet  
(Out dia 4mm)

HDC40i & HDC30i Controller

## HDC40i CONTROLLER

Model: HDC40i Hybrid Controller  
Item # 145740  
For driver models:  
HD150, HD220 & HD450

### SPECIFICATIONS

Input (Electric): AC120VC ~ 220V, 50-60Hz

Output (Electric): DC40V, 3A

Fuse: AC250V 10A

Dimension (WxLxH): 3 3/4" x 8 3/4" x 5"

Weight: 4.6 lbs

Preset selection capability: Front panel or 25P I/O

### GENERAL SPECIFICATIONS (Both Models)

Input (Air Pressure): Min 5 Bar (72.5 PSI) / Max 6.5 Bar (92.2 PSI)

Angle Control: 0.1 - 10 turns

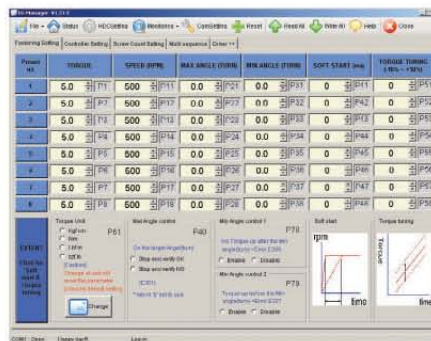
Preset Parameters: Torque, Speed, Soft Start & Angle in 8 preset numbers

Auto detection of the connected driver: Auto detection of the offset value from the EEPROM on the driver

Error display: Error display by code no. in system, communication & pattern error group

Fastening Quality Control: OK/NG monitoring of screw fastening by preset pattern of angle and/or time

PC based program for parameter settings, monitoring and real time output



## HDC30i CONTROLLER

Model: HDC30i Hybrid Controller  
Item # 145739  
For driver models:  
HD025, HD035, HD045, HD060 and HD080

### SPECIFICATIONS

Input (Electric): AC120VC ~ 220V, 50-60Hz

Output (Electric): DC30V, 1.5A

Fuse: AC250V 5A

Dimension (WxLxH): 3 1/2" x 7 1/8" x 5"

Weight: 3.5 lbs

Preset selection capability: Front panel or 25P I/O

**THE HDC Controller enables an ability to define various fastening parameters.**

Four units of torque measurements:

ozf.in, lbf.in, N.m, & kgf.cm

(ozf.in only available with HDC30i Controller)

6 preset parameter settings & 8 preset torque settings

Maximum angle control and verification

Minimum angle control and error reporting

## SCREWDRIVERS

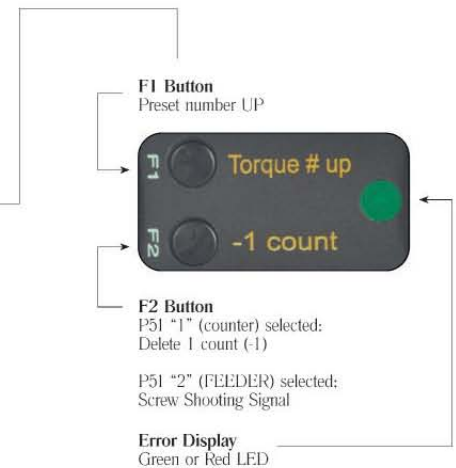


### BRUSHLESS ELECTRIC SCREWDRIVER (use with HDC40i Controller)

Model	Driver Type	Item #	Torque Ranges		RPM		Grip Dia.	Length	Drive Size	Weight
			lbf.in	cN.m	High	Low				
HD150-A	Lever Start	145741	4.4 - 13	49.1 - 147	1800	500	1 1/4"	9 2/3"	1/4" F/Hex	15.5 oz.
HD150P-A	Push-to-Start	145742	4.4 - 13	49.1 - 147	1800	500	1 1/4"	9 2/3"	1/4" F/Hex	15.5 oz.
HD220-A	Lever Start	145743	6.1 - 19.1	68.7 - 215.8	1250	400	1 1/4"	9 2/3"	1/4" F/Hex	15.5 oz.
HD220P-A	Push-to-Start	145744	6.1 - 19.1	68.7 - 215.8	1250	400	1 1/4"	9 2/3"	1/4" F/Hex	15.5 oz.
HD450-A	Lever Start	145745	8.7 - 39	98.1 - 441.4	600	300	1 1/4"	9 2/3"	1/4" F/Hex	18 oz.
HD-450P-A	Push-to-Start	145746	8.7 - 39	98.1 - 441.4	600	300	1 1/4"	9 2/3"	1/4" F/Hex	18 oz.

### BRUSHLESS ELECTRIC SCREWDRIVER (use with HDC30i Controller)

Model	Driver Type	Item #	Torque Ranges		RPM		Grip Dia.	Length	Drive Size	Weight
			lbf.in	cN.m	High	Low				
HD025-E	Lever Start	145748	0.7 - 2.1	7.8 - 24.5	1100	400	1 1/8"	7 7/8"	4mm HIOS	7.8 oz.
HD035-E	Lever Start	145749	0.9 - 3	9.8 - 34.3	1100	400	1 1/8"	7 7/8"	4mm HIOS	7.8 oz.
HD045-E	Lever Start	145756	1.3 - 3.9	14.7 - 44.1	750	400	1 1/8"	7 7/8"	4mm HIOS	7.8 oz.
HD060-E	Lever Start	145757	1.3 - 5.2	14.7 - 58.8	1200	600	1 1/4"	8 2/3"	4mm HIOS	9.9 oz.
HD080-E	Lever Start	145775	2.2 - 6.9	24.5 - 78.4	1200	600	1 1/4"	8 2/3"	4mm HIOS	9.9 oz.



**F1 Button**  
Preset number UP



**F2 Button**  
P51 "1" (counter) selected:  
Delete 1 count (-1)  
P51 "2" (FEEDER) selected:  
Screw Shooting Signal

**Error Display**  
Green or Red LED

## NOTE!

Brushless screwdrivers are also available for Automation and Vacuum models.

### DRIVER CABLE

Connects the driver to the HDC controller. Provides both air and current to the driver, as well as signals back to the controller.

**Item # 14-3000235**  
For Drivers: HD025, HD035, HD045, HD060, HD080

**Item # 14-3000238**  
For Drivers: HD150, HD220, HD450



### USB CABLE 6 FT.

For connecting Controller to PC.

Item # 770319



### RS232 to USB CABLE

TYPE A, 6 ft.

Item # 145780



### PHOTO SENSOR SB-32W

Item # 145759



### MINI AIR COMPRESSOR

Oil free mini air compressor with auto pressure switch with one-touch male connector (for tube OD 8mm), unit can support 1 - 4 Hybrid Controller Systems.

1/8HP, Start at 70PSI, Stop at 90PSI  
Flow: 20LPM  
Weight: 9.5 lbs.  
120V

Model: MAC-20  
Item # 145737



### COMPRESSOR ACCESSORIES

Item #	Model
773816	One-Touch Male Connector (1/4 RPT, Tube OD 4mm)
773817	One-Touch Male Connector (1/4 RPT, Tube OD 8mm)
773818	One-Touch Union Tee (Tube OD 8mm)
773819	One-Touch Straight Union (Tube OD 8mm)
773820	One-Touch Plug-in-Reducer, (8mm Plug to 4mm Tube)
773821	Tubing - Polyurethane Clear (4mm OD X 2.5mm ID, 20 Meter Roll)
773822	Tubing - Polyurethane Clear (4mm OD X 2.5mm ID, 33 Meter Roll)
773823	Tubing - Polyurethane Clear (8mm OD X 5mm ID, 20 Meter Roll)
773824	Tubing - Polyurethane Clear (8mm OD X 5mm ID, 33 Meter Roll)



### NOTE!

The HDC40i & HDC30i Hybrid Controllers require a constant PSI regulation. Should be used with MAC-20.

### PISTOL GRIP

Converts inline drivers to pistol grip. Fits driver models: HD150, HD220 & HD450 (driver not included)

Item # 145738



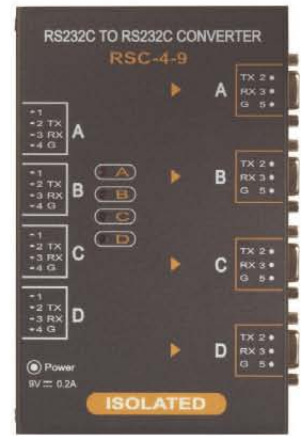
### CABLE 25 PIN I/O (Male-Male)

Item # 145760



### RSC-4-9 CONVERTER

Item # 145784



### U-2 INTERFACE BOX

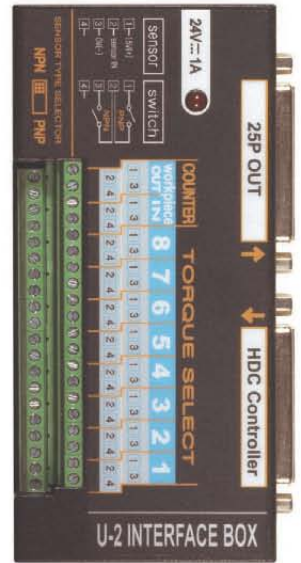
8 Sensor ports for preset # selecting. 2 Sensor ports for count. (Input power: 24VDC 1A)

Item # 145758

### AC ADAPTER FOR U-2

AC Adapter for U2 Interface & RSC-4-9 Converter  
Not pictured.

Item # 14-GCM6913



### Mountz Tool Selector

Easy to navigate, a guide that assists engineers in selecting the proper tool for the application. Visit [www.mountztorque.com/torque-tool-selector](http://www.mountztorque.com/torque-tool-selector).



### Mountz Learning Center

Your Resource for Torque Knowledge! For more on torque, including "how to" guides, product videos and other useful resources visit [www.mountztorque.com/learning-center](http://www.mountztorque.com/learning-center).

# In-Line

Pneumatic Screwdrivers

**flexPower**  
by mountz

## KEY FEATURES

Various models that range from 2.6 - 95.5 lbf.in

High performance oil free motor delivers environmentally friendly, durable, power and speed. One third more power than competitive models.

Safe operation with reduced noise, vibration and low torque reaction.

High accuracy patented clutch with precision automatic shut-off clutch.

Soft texture ergonomic grip for operator comfort.

One touch torque adjustment, eliminates difficult set up of drivers. Torque nut cover prevents operator tampering.

Four different colored tool bands allow color coding of specific torque values (Red, Green, Blue, Yellow are included)

Built with new aluminum alloy to provide durability and reduced maintenance - no cracking, fading or chipping found in composite body tools.

Wide ranges and RPM selections all for easy tool specification based on application requirements.



## COLOR CODE RINGS

Four different colored tool bands allow color coding of specific torque values (Red, Green, Blue, Yellow are included)



Model	Driver Type	Item #	Torque Ranges			Grip Dia.	Length	Drive Size	Weight lbs.	Noise dBa	Air Usage cfm	Min. Air Hose Bore	Fastening Capacity	
			lbf.in	N.m	RPM								Machine Screw Dia	Tapping Screw Dia
XP35	Lever Start	360000	2.6 - 17.4	0.3 - 2	2200	1 1/4"	8"	1/4" F/Hex	1.3	72	8.5	5.0 mm	M2.2 - M4.5	M1.7 - M3.5
XP35PS	Push-to-Start	360005	2.6 - 17.4	0.3 - 2	2200	1 1/4"	7"	1/4" F/Hex	1.2	72	8.5	5.0 mm	M2.2 - M4.5	M1.7 - M3.5
XP40	Lever Start	360001	4.3 - 30.4	0.5 - 3.4	1000	1 1/4"	8"	1/4" F/Hex	1.3	72	8.5	5.0 mm	M2.8 - M5.2	M2.2 - M4.2
XP40PS	Push-to-Start	360006	4.3 - 30.4	0.5 - 3.4	1000	1 1/4"	7"	1/4" F/Hex	1.2	72	8.5	5.0 mm	M2.8 - M5.2	M2.2 - M4.2
XP45	Lever Start	360002	6.9 - 34.7	0.8 - 3.9	800	1 1/4"	8"	1/4" F/Hex	1.3	74	8.5	5.0 mm	M3.3 - M5.8	M2.7 - M4.7
XP45PS	Push-to-Start	360007	6.9 - 34.7	0.8 - 3.9	800	1 1/4"	7"	1/4" F/Hex	1.2	74	8.5	5.0 mm	M3.3 - M5.8	M2.7 - M4.7
XP48	Lever Start	360003	4.3 - 39.1	0.5 - 4.4	1700	1 1/2"	9 1/2"	1/4" F/Hex	1.9	76	15.9	8.0 mm	M3.6 - M6.3	M2.8 - M5.3
XP48PS	Push-to-Start	360008	4.3 - 39.1	0.5 - 4.4	1700	1 1/2"	8 1/2"	1/4" F/Hex	1.8	76	15.9	8.0 mm	M3.6 - M6.3	M2.8 - M5.3
XP60	Lever Start	360004	26 - 95.5	2.9 - 10.8	550	1 1/2"	9 1/2"	1/4" F/Hex	1.9	76	15.9	8.0 mm	M5.0 - M7.6	M4.0 - M6.3
XP60PS	Push-to-Start	360009	26 - 95.5	2.9 - 10.8	550	1 1/2"	8 1/2"	1/4" F/Hex	1.8	76	15.9	8.0 mm	M5.0 - M7.6	M4.0 - M6.3

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# Pistol Grip

## Pneumatic Screwdrivers

**flexPower**  
by mountz

### KEY FEATURES

Various models that range from 2.6 - 156.2 lbf.in.

High performance oil free motor delivers environmentally friendly, durable, power and speed. One third more power than competitive models.

Safe operation with reduced noise, vibration and low torque reaction.

High accuracy patented clutch with precision automatic shut-off clutch.

Soft texture ergonomic grip for operator comfort.

One-touch torque adjustment, eliminates difficult set up of drivers. Torque nut cover prevents operator tampering.

Built with new aluminum alloy to provide durability and reduced maintenance - no cracking, fading or chipping found in composite body tools.

Wide ranges and RPM selections all for easy tool specifications based on application requirements.

Patented Multi-Air inlet selection (handle, back and top) provides versatility for hose connection depending on application. Provides flexible options for production set ups and space restrictions.



Model	Item #	Torque Ranges		RPM	Grip Dia.	Length	Wt. lbs.
		lbf.in	N.m				
XP35P	360010	2.6 - 17.4	0.3 - 2	2200	1 1/4"	7"	1.3
XP41P	360011	4.3 - 30.4	0.5 - 3.4	1000	1 1/4"	7"	1.3
XP48P	360012	6.1 - 43.4	0.7 - 4.9	1700	1 1/2"	8 1/2"	2.3
XP55P	360013	10.4 - 65.1	1.2 - 7.4	1000	1 1/2"	8 1/2"	2.3
XP65P	360014	26 - 156.2	2.9 - 17.6	300	1 1/2"	8 1/2"	2.3



### MULTI-AIR SELECTION

3 locations to attach air hose:

- A** Handle
- B** Top
- C** Back



Model	Drive Size	Noise dBa	Air Usage cfm	Min. Air Hose Bore mm	Fastening Capacity	
					Machine Screw Dia	Tapping Screw Dia
XP35P	1/4" F/Hex	74	9.9	5.0	M2.2 - M4.5	M1.7 - M3.5
XP41P	1/4" F/Hex	74	9.9	5.0	M2.8 - M5.2	M2.2 - M4.2
XP48P	1/4" F/Hex	78	19.4	8.0	M3.6 - M6.3	M2.8 - M5.3
XP55P	1/4" F/Hex	78	19.4	8.0	M3.8 - M6.9	M3.0 - M5.9
XP65P	1/4" F/Hex	78	19.4	8.0	M5.0 - M9.3	M4.0 - M7.2

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# Right Angle

Pneumatic Screwdrivers

**flexPower**

by mountz

## KEY FEATURES

Various models that range from 2.6 - 95.5 lbf.in.

High performance oil free motor delivers environmentally friendly, durable, power and speed. One third more power than competitive models.

Safe operation with reduced noise, vibration and low torque reaction.

High accuracy patented clutch with precision automatic shut-off clutch.

Soft texture ergonomic grip for operator comfort.

One-touch torque adjustment, eliminates difficult set up of drivers. Torque nut cover prevents operator tampering.

Four different colored tool bands allow color coding of specific torque values (Red, Green, Blue, Yellow as standard are included)

Built with new aluminum alloy to provide durability and reduced maintenance - no cracking, fading or chipping found in composite body tools.

Wide ranges and RPM selections all for easy tool specification based on application requirements.

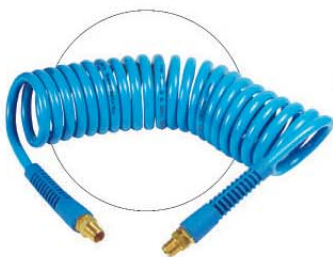


### COLOR CODE RINGS

Four different colored tool bands allow color coding of specific torque values (Red, Green, Blue, Yellow are included)



Model	Item #	Torque Ranges		RPM	Grip Dia.	Length	Drive Size	Weight lbs.	Noise dBA	Air Usage cfm	Min. Air Hose Bore	Fastening Capacity	
		lbf.in	N.m									Machine Screw Dia	Tapping Screw Dia
XP35A	360015	2.6 - 17.4	0.3 - 2	2200	1 1/4"	11 1/4"	1/4" F/Hex	1.75	72	8.5	5.0 mm	M2.2 - M4.5	M1.7 - M3.5
XP40A	360016	4.3 - 30.4	0.5 - 3.4	1000	1 1/4"	11 1/4"	1/4" F/Hex	1.75	72	8.5	5.0 mm	M2.8 - M5.2	M2.2 - M4.2
XP48A	360017	4.3 - 39.1	0.5 - 4.4	1700	1 1/2"	13 1/4"	1/4" F/Hex	3.25	76	15.9	8.0 mm	M3.6 - M6.3	M2.8 - M5.3
XP55A	360018	10.4 - 65.1	1.2 - 7.4	1000	1 1/2"	13 1/4"	1/4" F/Hex	3.25	76	15.9	8.0 mm	M3.8 - M6.9	M3.0 - M5.9
XP60A	360019	26 - 95.5	2.9 - 10.8	550	1 1/2"	13 1/4"	1/4" F/Hex	3.25	76	15.9	8.0 mm	M5.0 - M7.8	M4.0 - M6.3



### COIL AIR HOSE

Dual swivel hose fittings provide 360° rotation.

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ISO 9001 AND ISO 17025 COMPANY

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RIGHT ANGLE

01.30

# Pulse Tool Reference Guide

## PULSE TOOL SELECTION REFERENCE GUIDE - BOLT SIZE

AUTO SHUT-OFF		NON SHUT-OFF						
Model	Model	M5	M6	M8	M10	M12	M14	M16
FLEXS-30P	FLEX-30P	4.4 lbf.ft	9.2 lbf.ft					
FLEXS-40P	FLEX-40P	8.1 lbf.ft	14 lbf.ft					
FLEXS-50P	FLEX-50P	11.1 lbf.ft		19.9 lbf.ft				
FLEXS-60P	FLEX-60P		16.2 lbf.ft	25.8 lbf.ft				
FLEXS-65P	FLEX-65P		21.4 lbf.ft	32.2 lbf.ft				
FLEXS-70P	FLEX-70P		25.8 lbf.ft	39.8 lbf.ft				
FLEXS-80P	FLEX-80P			35.4 lbf.ft	50.1 lbf.ft			
FLEXS-90P	FLEX-90P			47.2 lbf.ft		66.4 lbf.ft		
FLEXS-100P	FLEX-100P				62.7 lbf.ft	88.5 lbf.ft		
FLEXS-130P	FLEX-130P				90.7 lbf.ft		109.2 lbf.ft	
FLEXS-150P	FLEX-150P					121.7 lbf.ft		154.9 lbf.ft
FLEXS-30PX	FLEX-30PX	4.4 lbf.ft	9.2 lbf.ft					
FLEXS-40PX	FLEX-40PX	7.4 lbf.ft	13.2 lbf.ft					
FLEXS-50PX	FLEX-50PX		10.3 lbf.ft	19.1 lbf.ft				
FLEXS-60PX	FLEX-60PX		14.8 lbf.ft	22.1 lbf.ft				
FLEXS-70PX	FLEX-70PX		22.8 lbf.ft	34.6 lbf.ft				
FLEXS-40S	FLEX-40S	8.1 lbf.ft	14 lbf.ft					
FLEXS-50S	FLEX-50S	11.1 lbf.ft	19.9 lbf.ft					
FLEXS-60S	FLEX-60S		16.2 lbf.ft	25.8 lbf.ft				
FLEXS-70S	FLEX-70S		22.8 lbf.ft	34.6 lbf.ft				
FLEXS-30SX	FLEX-30SX	4.4 lbf.ft	9.2 lbf.ft					
FLEXS-40SX	FLEX-40SX	7.4 lbf.ft	13.2 lbf.ft					
FLEXS-50SX	FLEX-50SX		10.3 lbf.ft	19.1 lbf.ft				
FLEXS-60SX	FLEX-60SX		14.8 lbf.ft	22.1 lbf.ft				
FLEXS-50R	FLEX-50R	7.7 lbf.ft	12.5 lbf.ft					
FLEXS-60R	FLEX-60R		11.1 lbf.ft	17.7 lbf.ft				
FLEXS-70R	FLEX-70R			16.2 lbf.ft	22.8 lbf.ft			
FLEXS-70RG	FLEX-70RG			27.3 lbf.ft	36.9 lbf.ft			
FLEXS-70RH	FLEX-70RH			34 lbf.ft	44.2 lbf.ft			
FLEXS-80RH	FLEX-80RH				36.9 lbf.ft	51.6 lbf.ft		
FLEXS-50RX	FLEX-50RX	7 lbf.ft	11.8 lbf.ft					
FLEXS-60RX	FLEX-60RX		10 lbf.ft	16.2 lbf.ft				
FLEXS-70RX	FLEX-70RX			14.8 lbf.ft	21.4 lbf.ft			

### HARD JOINT APPLICATIONS

The **auto** shut-off pulse tools normally reach 85% of the maximum torque listed in the torque range. The **non** shut-off pulse tools normally reach 95% of the maximum torque listed in the torque range.

### SOFT JOINT APPLICATIONS

The **auto** shut-off pulse tools normally reach 70% of the maximum torque listed in the torque range. The **non** shut-off pulse tools normally reach 90% of the maximum torque listed in the torque range.

### CALIBRATION METHOD RECOMMENDED

The range vary according to joint specification. Recommended use static torque tester LTT or PTT with BMX and measure the residual torque with a Mountz Digital Torque Wrench to validate the calibration procedure.

### USE THE PROPER PRESSURE



### SELECTION NOTES

All specified torque ranges were established statically on a Mountz (TorqueLab® LTT Series) torque meter at a dynamic air pressure of 85 PSI (LBS per Square Inch). The specified results should be used as guidance only in tool in tool selection. In general, the torque range will be lower based on type of joint, air pressure, extension bars and/or extended sockets. A pulse tool is a discontinuous tool and added adapters or extensions create a dampening effect, thus lowering torque values. Tool selection as well as set up is recommended to be validated on the actual joint by use of a suitable calibrated torque wrench. We recommend a quality Mountz Digital torque wrench.



### Mountz Torque Conversion Calculator

Quickly convert torque measurement from one type of unit measurement to another. Visit [www.mountztorque.com/calculator](http://www.mountztorque.com/calculator)

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# In-Line Pulse Tools

Auto Shut-Off & Non Shut-Off

**flexPower**  
by mountz

## KEY FEATURES

- Various models that range from 4.4 - 34.6 lbf.ft
- Designed to enhance cycle time with high-speed rundown.
- Excellent power-to-weight ratio.
- Safe ergonomic selection - low noise decibels, minimal vibration & reaction free operation.
- Comfortable rubberized non-slip grips for easy handling and excellent thermal ergonomics.
- Specially designed pulse fluid extends life between oil changes - provides better stability. Double sealing increases performance - reduces maintenance.
- Shut-off and non shut-off models.
- Ergonomically safer than harmful hammering and vibration of impact wrenches.
- Widest ranged pulse tool on market for easy tool specification.
- Pin Dentent included with square drive models.



AUTO SHUT-OFF		NON SHUT-OFF		Drive Type	Torque Ranges		Free Speed (RPM)	Weight		P/W Ratio Nm/Kgs.	Length in.	Noise Level dBA	Average Air Consumption		Hose Size mm
Model	Item #	Model	Item #		lbf.ft	N.m		lbs.	Kgs.				m <sup>3</sup> /min. CMM	ft <sup>3</sup> /min. CFM	
FLEXS-30SX	360122	FLEX-30SX	360130	1/4" F/Hex	4.4 - 9.2	6 - 12.5	4200	1.69	0.76	16.4	8.8	78.0	0.25	8.80	6.5
FLEXS-40SX	360123	FLEX-40SX	360131	1/4" F/Hex	7.4 - 13.2	10 - 18	4200	1.76	0.80	22.5	8.8	78.0	0.25	8.70	6.5
FLEXS-40S	360124	FLEX-40S	360132	3/8" Sq Dr	8.1 - 14	11 - 19	4200	1.76	0.80	23.8	8.7	78.0	0.25	8.80	6.5
FLEXS-50SX	360125	FLEX-50SX	360133	1/4" F/Hex	10.3 - 19.1	14 - 26	7200	1.76	0.80	32.5	8.8	80.0	0.35	12.30	6.5
FLEXS-50S	360126	FLEX-50S	360134	3/8" Sq Dr	11.1 - 19.9	15 - 27	7200	1.76	0.80	33.8	8.7	80.0	0.35	12.30	6.5
FLEXS-60SX	360127	FLEX-60SX	360135	1/4" F/Hex	14.8 - 22.1	20 - 30	6000	1.89	0.85	35.3	9.2	80.0	0.40	14.10	8
FLEXS-60S	360128	FLEX-60S	360136	3/8" Sq Dr	16.2 - 25.8	22 - 35	6000	1.89	0.85	41.2	9.1	80.0	0.40	14.10	8
FLEXS-70S	360129	FLEX-70S	360137	3/8" Sq Dr	22.8 - 34.6	31 - 47	5000	2.13	0.96	49.0	9.5	80.0	0.40	14.10	8

## NOTE!

Recommended air pressure is 85 PSI. Use a high quality air filter regulator and lubricator to ensure stable air pressure for optimal performance and for removal of moisture and other potential debris that can reduce the longevity and performance of pneumatic tools.

All specified torque ranges were established statically on a Mountz (TorqueLab® LTT Series) torque meter at a dynamic air pressure of 85 PSI (Pounds per Square Inch). The specified results should be used as guidance only in tool selection. In general, the torque range will be lower based on type of joint, air pressure, extension bars and/or extended sockets. A pulse tool is a discontinuous tool and added adapters or extensions create a dampening effect, thus lowering torque values. Tool selection as well as set up is recommended to be validated on the actual joint by use of a suitable calibrated torque wrench. We recommend a quality Mountz Digital torque wrench.



## Mountz Learning Center

Your Resource for Torque Knowledge! For more on torque, including "how to" guides, product videos and other useful resources visit [www.mountztorque.com/learning-center](http://www.mountztorque.com/learning-center).



## Mountz Tool Selector

Easy to navigate, a guide that assists engineers in selecting the proper tool for the application. Visit [www.mountztorque.com/torque-tool-selector](http://www.mountztorque.com/torque-tool-selector).

# Pistol Pulse Tools

Auto Shut-Off & Non Shut-Off

**flexPower**  
by mountz

## KEY FEATURES

- Various models that range from 4.4 - 154.9 lbf.ft
- Designed to enhance cycle time with high-speed rundown.
- Excellent power-to-weight ratio.
- Safe ergonomic selection - low noise decibels, minimal vibration & reaction free operation.
- Comfortable rubberized non-slip grips for easy handling and excellent thermal ergonomics.
- Specially designed pulse fluid extends life between oil changes - provides better stability. Double sealing increases performance - reduces maintenance.
- Shut-off and non shut-off models.
- Ergonomically safer than harmful hammering and vibration of impact wrenches.
- Pin Dentent included with square drive models.



AUTO SHUT-OFF		NON SHUT-OFF		Drive Type	Torque Ranges		Free Speed (RPM)	Weight		P/W Ratio Nm/ Kgs.	Length in.	Noise Level dBA	Average Air Consumption		Hose Size mm
Model	Item #	Model	Item #		lbf.ft	N.m		lbs.	Kgs.				m <sup>3</sup> /min. CMM	ft <sup>3</sup> /min. CFM	
FLEXS-30P	360168	FLEX-30P	360169	3/8" Sq Dr	4.4 - 9.2	6 - 12.5	4400	2.0	0.88	14.2	6.7	78.0	0.25	8.80	6.5
FLEXS-30PX	360100	FLEX-30PX	360111	1/4" F/Hex	4.4 - 9.2	6 - 12.5	4400	2.0	0.88	14.2	6.7	78.0	0.25	8.80	6.5
FLEXS-40PX	360101	FLEX-40PX	360112	1/4" F/Hex	7.4 - 13.2	10 - 18	4400	2.0	0.91	19.8	6.7	78.0	0.25	8.80	6.5
FLEXS-40P	360102	FLEX-40P	360113	3/8" Sq Dr	8.1 - 14	11 - 19	4400	2.0	0.91	20.9	6.6	78.0	0.25	8.80	6.5
FLEXS-50PX	360103	FLEX-50PX	360114	1/4" F/Hex	10.3 - 19.1	14 - 26	7200	2.0	0.91	28.6	6.7	80.0	0.35	12.30	6.5
FLEXS-50P	360104	FLEX-50P	360115	3/8" Sq Dr	11.1 - 19.9	15 - 27	7200	2.0	0.91	29.7	6.6	80.0	0.35	12.30	6.5
FLEXS-60PX	360105	FLEX-60PX	360116	1/4" F/Hex	14.8 - 22.1	20 - 30	6200	2.2	1.00	30.0	7.1	82.0	0.40	14.10	8
FLEXS-60P	360106	FLEX-60P	360117	3/8" Sq Dr	16.2 - 25.8	22 - 35	6200	2.2	0.91	38.5	7.0	82.0	0.40	14.10	8
FLEXS-65P	360154	FLEX-65P	360158	3/8" Sq Dr	21.4 - 32.2	29 - 45	4800	2.4	1.1	41.7	7.4	82.0	0.43	15.20	8
FLEXS-70PX	360166	FLEX-70PX	360167	1/4" F/Hex	22.8 - 34.6	31 - 47	7200	3	1.4	34.8	7.8	82.0	0.45	15.90	8
FLEXS-70P	360155	FLEX-70P	360159	3/8" Sq Dr	25.8 - 39.8	35 - 54	5400	2.4	1.1	50.0	7.4	82.0	0.45	15.90	8
FLEXS-80P	360156	FLEX-80P	360160	3/8" Sq Dr	35.4 - 50.1	48 - 68	5400	2.7	1.2	56.2	7.6	82.0	0.50	17.60	8
FLEXS-90P	360108	FLEX-90P	360119	1/2" Sq Dr	47.2 - 66.4	64 - 90	5400	3.4	1.55	58.1	7.9	83.0	0.53	18.70	8
FLEXS-100P	360109	FLEX-100P	360120	1/2" Sq Dr	62.7 - 88.5	85 - 120	5300	4.1	1.86	64.6	8.2	84.0	0.55	19.40	8
FLEXS-130P	360110	FLEX-130P	360121	1/2" Sq Dr	90.7 - 109.2	123 - 148	3600	5.0	2.25	65.8	8.5	86.0	0.73	25.60	11
FLEXS-150P	360152	FLEX-150P	360153	3/4" Sq Dr	121.7 - 154.9	165 - 210	3600	6.83	3.1	67.7	9.3	86.0	0.73	25.60	11

## NOTE!

Recommended air pressure is 85 PSI. Use a high quality air filter regulator and lubricator to ensure stable air pressure for optimal performance and for removal of moisture and other potential debris that can reduce the longevity and performance of pneumatic tools.

All specified torque ranges were established statically on a Mountz (TorqueLab LTT Series) torque meter at a dynamic air pressure of 85 PSI (Pounds per Square Inch). The specified results should be used as guidance only in tool selection. In general, the torque range will be lower based on type of joint, air pressure, extension bars and/or extended sockets. A pulse tool is a discontinuous tool and added adapters or extensions create a dampening effect, thus lowering torque values. Tool selection as well as set up is recommended to be validated on the actual joint by use of a suitable calibrated torque wrench. We recommend a quality Mountz Digital torque wrench.



# Right-Angle Pulse Tools

Auto Shut-Off & Non Shut-Off

**flexPower**  
by mountz

## KEY FEATURES

Various models that range from 7 - 51.6 lbf.ft

Designed to enhance cycle time with high-speed rundown.

Excellent power-to-weight ratio.

Safe ergonomic selection - low noise decibels, minimal vibration & reaction free operation.

Comfortable rubberized non-slip grips for easy handling and excellent thermal ergonomics.

Specially designed pulse fluid extends life between oil changes - provides better stability. Double sealing increases performance - reduces maintenance.

Shut-off and non shut-off models.

Ergonomically safer than harmful hammering and vibration of impact wrenches.

Pin Dentent included with square drive models.



AUTO SHUT-OFF		NON SHUT-OFF		Drive Type	Torque Ranges		Free Speed (RPM)	Weight		P/W Ratio Nm/Kgs.	Length in.	Noise Level dBA	Average Air Consumption		Hose Size mm
Model	Item #	Model	Item #		lbf.ft	N.m		lbs.	Kgs.				m <sup>3</sup> /min. CMM	ft <sup>3</sup> /min. CFM	
FLEXS-50RX	360145	FLEX-50RX	360148	1/4" F/Hex	7 - 11.8	9.5 - 16	4300	2.6	1.2	13.3	10.0	80.0	0.32	11.30	6.5
FLEXS-50R	360138	FLEX-50R	360141	3/8" Sq Dr	7.7 - 12.8	10.5 - 17	4300	2.6	1.2	14.2	10.0	80.0	0.32	11.30	6.5
FLEXS-60RX	360146	FLEX-60RX	360149	1/4" F/Hex	10 - 16.2	13.5 - 22	5300	2.9	1.3	16.9	10.4	80.0	0.40	14.10	8
FLEXS-60R	360139	FLEX-60R	360142	3/8" Sq Dr	11.1 - 17.7	15 - 24	5300	2.9	1.3	18.5	10.4	80.0	0.40	14.10	8
FLEXS-70RX	360147	FLEX-70RX	360150	1/4" F/Hex	14.8 - 21.4	20 - 29	4500	3.1	1.4	20.7	10.7	80.0	0.40	14.10	8
FLEXS-70R	360140	FLEX-70R	360143	3/8" Sq Dr	16.2 - 22.8	22 - 31	4500	3.1	1.4	22.1	10.7	80.0	0.40	14.10	8
FLEXS-70RG	360162	FLEX-70RG	360164	3/8" Sq Dr	27.3 - 36.9	37 - 50	2000	3.5	1.6	31.3	11.1	82.0	0.40	14.10	8
FLEXS-70RH	360144	FLEX-70RH	360151	1/2" Sq Dr	34 - 44.2	46 - 60	2200	3.5	1.6	37.5	11.1	82.0	0.40	14.10	8
FLEXS-80RH	360163	FLEX-80RH	360165	1/2" Sq Dr	36.9 - 51.6	50 - 70	2800	3.7	1.7	41.2	11.1	82.0	0.45	15.90	8

## NOTE!

Recommended air pressure is 85 PSI. Use a high quality air filter regulator and lubricator to ensure stable air pressure for optimal performance and for removal of moisture and other potential debris that can reduce the longevity and performance of pneumatic tools.

All specified torque ranges were established statically on a Mountz (TorqueLab® LTT Series) torque meter at a dynamic air pressure of 85 PSI (Pounds per Square Inch). The specified results should be used as guidance only in tool selection. In general, the torque range will be lower based on type of joint, air pressure, extension bars and/or extended sockets. A pulse tool is a discontinuous tool and added adapters or extensions create a dampening effect, thus lowering torque values. Tool selection as well as set up is recommended to be validated on the actual joint by use of a suitable calibrated torque wrench. We recommend a quality Mountz Digital torque wrench.



## Mountz Learning Center

Your Resource for Torque Knowledge! For more on torque, including "how to" guides, product videos and other useful resources visit [www.mountztorque.com/learning-center](http://www.mountztorque.com/learning-center).

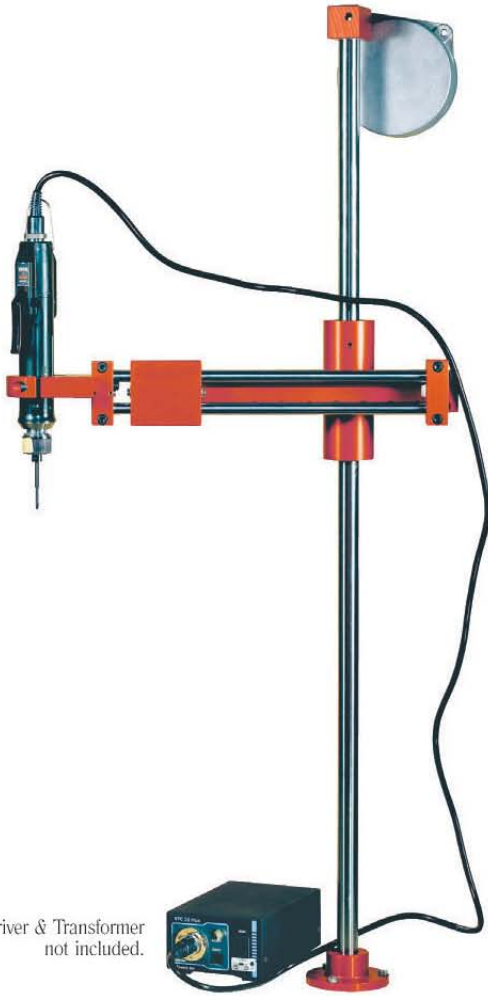


## Mountz Tool Selector

Easy to navigate, a guide that assists engineers in selecting the proper tool for the application. Visit [www.mountztorque.com/torque-tool-selector](http://www.mountztorque.com/torque-tool-selector).

# EZ-Glider

## Linear Torque Arms



Driver & Transformer  
not included.

### KEY FEATURES

- Prevents cross threading and side load. Keeps tool perpendicular.
- Reduces RMI (Repetitive Motion Injury) and CTS (Carpal Tunnel Syndrome) while boosting production.
- Extends in horizontal direction and arm length is adjustable.
- Maneuvers smoothly as the arm absorbs torque reactions from electric & pneumatic tools.
- Built with seasoned craftsmanship, every torque arm cylinder has four rows of ball bearings for smooth movement.
- A magnet on the backside of the tool clamp holds driver firmly against arm.
- Includes an in-line driver clamp.

### LINEAR TORQUE ARMS

Model	Item #	Max Torque		Clamp Dia.	Height	Min Arm Reach	Max Arm Reach	Balancer Capacity
		American	S.I.					
EZ-12	260077	8.8 lbf.ft	12 N.m	1-1 1/2"	32 1/2"	16 1/2"	22"	1.1 - 2.6 lbs.
EZ-25	260078	18.4 lbf.ft	25 N.m	1-2"	36 1/2"	16 1/3"	22"	2.2 - 4.8 lbs.
EZ-40	260079	29.5 lbf.ft	40 N.m	1-2"	40 1/2"	21 7/8"	29 1/2"	3.1 - 4.8 lbs.
EZ-100	260080	73.7 lbf.ft	100 N.m	1-2"	40 1/2"	25 1/3"	33"	4.4 - 7.7 lbs.

### NOTE!

An additional balancer (Item #260152) can be added to the EZ-40 & EZ-100 model to increase balancer capacity. The additional balancer increases the dual balancer capacity to 5.3 - 8.8 for the EZ-40, and 6.6 - 13.2 for the EZ-100.

### ACCESSORIES

#### DOWNWARD ASSISTANCE KIT

These kits are ideal for self-tapping applications. The downward assistance system requires no effort from the operator to press downward on the driver as the operator simply presses the trigger of the driver and the cylinder guides the tool downward automatically.

There are two system options available:

#### Servo-Assisted (shown)

System features a built in collet chuck that allows the system to be used at any height.

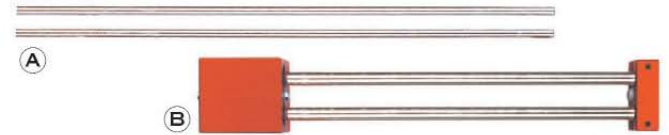
#### Easy Push

System operates only at a preset height by using a mechanical stop that is set along the pole.

**Both systems can be installed on a Linear or Articulated arm.**



Model	Description	Item #	Pushing Force	Stroke
EZ-12	Servo-Assisted Electric Kit	260098	11 lbs.	-
EZ-25	Servo-Assisted Electric Kit	260099	17.6 lbs.	-
EZ-40/100	Servo-Assisted Electric Kit	260100	17.6 lbs.	-
EZ-12	Servo-Assisted Pneumatic Kit	260199	11 lbs.	-
EZ-25	Servo-Assisted Pneumatic Kit	260200	17.6 lbs.	-
EZ-40/100	Servo-Assisted Pneumatic Kit	260208	17.6 lbs.	-
EZ-12	Easy Push Electric Kit	260043	11 lbs.	4 7/8"
EZ-25	Easy Push Electric Kit	260041	19.8 lbs.	6 1/4"
EZ-40/100	Easy Push Electric Kit	260040	19.8 lbs.	7 7/8"
EZ-40/100	Easy Push Electric Kit	260039	33 lbs.	7 7/8"
EZ-100	Easy Push Electric Kit	260038	55 lbs.	7 7/8"
EZ-12	Easy Push Pneumatic Kit	260204	11 lbs.	4 7/8"
EZ-25	Easy Push Pneumatic Kit	260112	19.8 lbs.	6 1/4"
EZ-40/100	Easy Push Pneumatic Kit	260205	19.8 lbs.	7 7/8"
EZ-40/100	Easy Push Pneumatic Kit	260206	33 lbs.	7 7/8"
EZ-100	Easy Push Pneumatic Kit	260207	55 lbs.	7 7/8"



#### A EXTENSION SLIDES

Expands the maximum arm reach of the EZ-Glider Linear Arms.

Model	Extends Max. Arm Reach	Item #
EZ-12	27.5"	260088
EZ-25	27.5"	260089
EZ-40	36"	260090
EZ-100	41"	260091

#### B EXTENSION DOUBLE SLIDE

Expands the maximum arm reach of the EZ-Glider Linear Arms by adding a second slide to the arm.

Model	Extends Max. Arm Reach	Item #
EZ-12	31.5"	260092
EZ-25	30.5"	260093
EZ-40	41"	260094
EZ-100	46"	260095

#### ANTI-ROTATING CLAMP

Attach an "Anti-Rotating Clamp" to prevent the arm from rotating side-to-side to help the operator target the screw quickly and precisely.

for EZ-12 & 25 Linear Arms  
Item #260019

for EZ-40 & 100 Linear Arms  
Item #260022



#### ARP SYSTEM (not pictured)

A recoil spring positioned on the slide to permits the arm to come back to the rest position as soon as you release it.

Model	Item #
EZ-12	260096
EZ-25	260097
EZ-40	260097

#### INVERSE MOUNTING KITS (not pictured)

Mount either a Linear or Articulated arm from above.

Model	Item #
EZ-12, EZ-12R, EZ-25, or EZ-25R	260209
EZ-40, EZ-40R, EZ-100, or EZ-100R	260210

# EZ-Glider

## Articulated Torque Arms

### KEY FEATURES

Prevents cross threading and side load. Keeps tool perpendicular.

Reduces RMI (Repetitive Motion Injury) and CTS (Carpal Tunnel Syndrome) while boosting production.

With the ability to bend like an elbow, the torque arm provides agility to position the tool in a variety of positions for different applications. Arm can be set at an inclination of 0°, 22.5° & 45°.

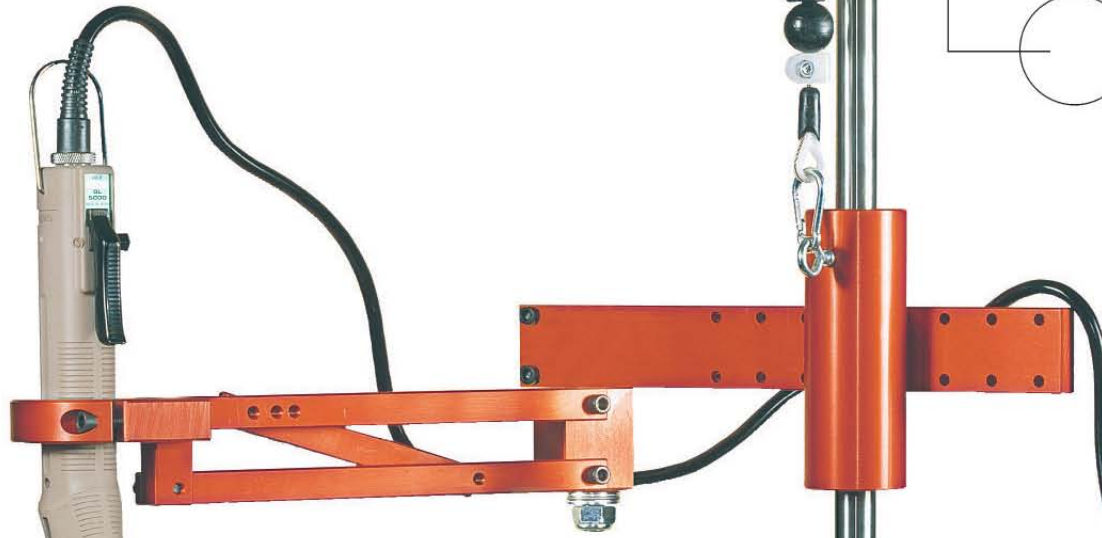
Provides smooth flexible range as the arm absorbs torque reactions from electric & pneumatic screwdrivers, angle nut runners, pulse tools, pistol grip style tools, grinders & drills.

Arm length is adjustable.

Includes an in-line driver clamp.

Versatile torque arm works with a variety of tools, using different tool clamp options: angle drivers, pistol grip drivers & in-line drivers.

Driver & Transformer not included.



### ARTICULATED TORQUE ARMS

Model	Item #	Max Torque		Height	Min and Max Arm Reach at Inclination			Balancer Capacity
		American	S.I.		0°	22.5°	45°	
EZ-12R	260081	8.8 lbf.ft	12 N.m	32 1/2"	15 1/8" - 21"	14 1/2" - 20"	12 1/3" - 18"	1.1 - 2.6 lbs.
EZ-25R	260082	18.4 lbf.ft	25 N.m	36 1/2"	15 1/2" - 21 1/2"	15" - 20 1/2"	12 7/8" - 18 1/2"	2.2 - 4.8 lbs.
EZ-40R	260083	29.5 lbf.ft	40 N.m	40 1/2"	22 1/4" - 30"	21 1/8" - 29"	18 1/8" - 26"	3.1 - 4.8 lbs.
EZ-100R	260084	73.7 lbf.ft	100 N.m	40 1/2"	26 1/3" - 34"	25 1/8" - 33"	22" - 29 1/2"	4.4 - 7.7 lbs.

### NOTE!

An additional balancer (Item #260152) can be added to the EZ-40R & EZ-100R model to increase balancer capacity. The additional balancer increases the dual balancer capacity to 5.3 - 8.8 for the EZ-40R, and 6.6 - 13.2 for the EZ-100R.

### ACCESSORIES

An in-line driver clamp is included with the torque arm. Other clamp options are available and sold separately.



Rotating Clamp



Pistol Grip Clamp



Angle Driver Clamp



Nipple Clamp

Description	For Model: EZ-12R		For Models: EZ-25R & 40R		For Model: EZ-100R	
	Clamp Dia.	Item #	Clamp Dia.	Item #	Clamp Dia.	Item #
Rotating Clamp	1" - 1.5"	260027	1" - 2"	260030	-	-
Pistol Grip Clamp	1" - 1.5"	260008	1" - 2"	260031	-	-
Angle Driver Clamp	1" - 1.5"	260028	1" - 2"	260032	1" - 2"	260061
Nipple Clamp	*	260007	-	-	-	-

\* Nipple clamp includes 1/4" and 1/8" - hose exhaust 8mm.

### TRANSFORMERS

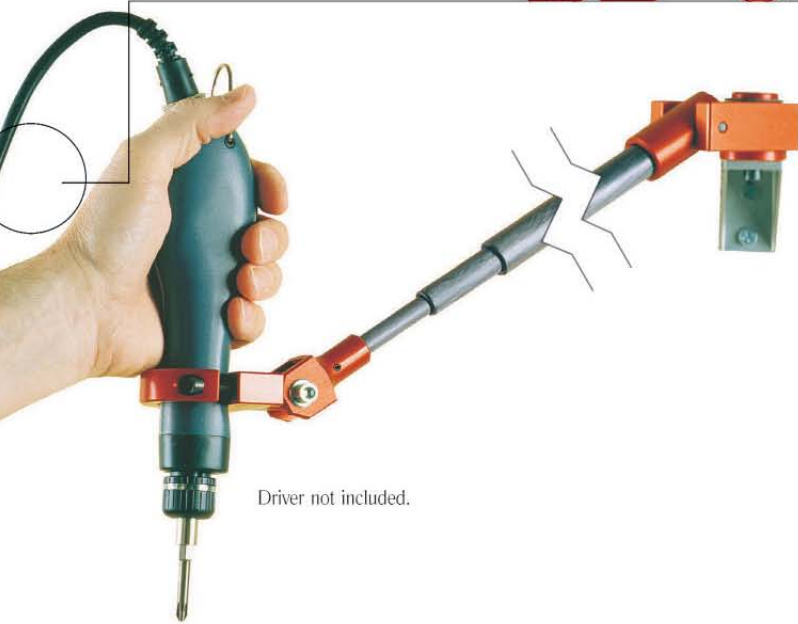
A wide variety of transformers are available.

SEE PAGES  
01.19 & 01.20



# EZ-Glider

## Telescoping Torque Arms



Driver not included.

### KEY FEATURES

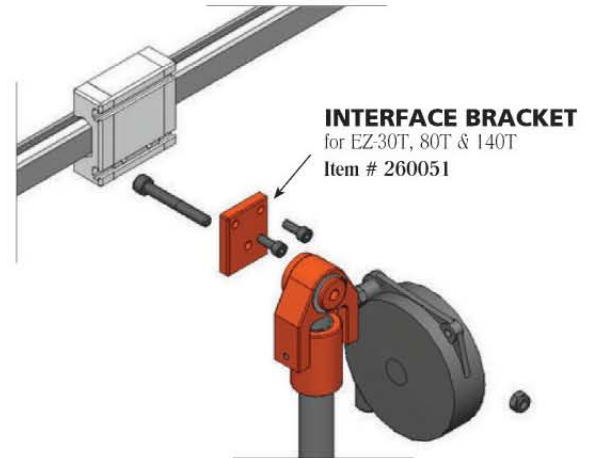
- Crafted with lightweight durable carbon fiber the arm collapses like a telescope.
- Easy-to-use, requires little space and doesn't disrupt production flow.
- The effortless handling of the torque arm provides comfortable tool operation and increased production.
- Mountable and easy to install on a wall, workbench and a standard rail or trolley system.
- Maintenance free.
- Eliminates torque reaction of power tools. Can be used with a variety assembly tools like, electric & pneumatic screwdrivers, angle nutrunners, pulse tools, pistol style tools, grinders, impact wrenches, drills, sanders, and percussion tools.
- Long arm reach capability up to 8 ft.
- Perfect for MVI applications.
- Universal Adapter included with EZ-12T and 30T models.
- Torque capacity up to 147.5 lbf.ft (200 N.m).
- Inverted Telescoping Arms features a reinforced sleeve for long durability with higher torque applications (EZ-70IT, EZ-140IT & EZ-200IT models).

### MOUNTING TO THE "STANDARD GLIDING RAIL SYSTEM"

The Telescoping Torque Arms can be mounted to the Standard Gliding Rail System (sold separately) and can be used in a variety of positions. For a vertical position it is necessary to install one additional item, an interface bracket (sold separately).



Standard Gliding Rail System	Working Distance/Item #					
	450mm	650mm	850mm	1050mm	1350mm	1850mm
	#260103	#260104	#260105	#260106	#260107	#260108



**INTERFACE BRACKET**  
for EZ-30T, 80T & 140T  
Item # 260051

### SLEEVE KIT (ACCESSORY)

Item # 260150  
Connect Standard Gliding Rail System together.

### BALANCING KITS FOR VERTICAL MOUNTING

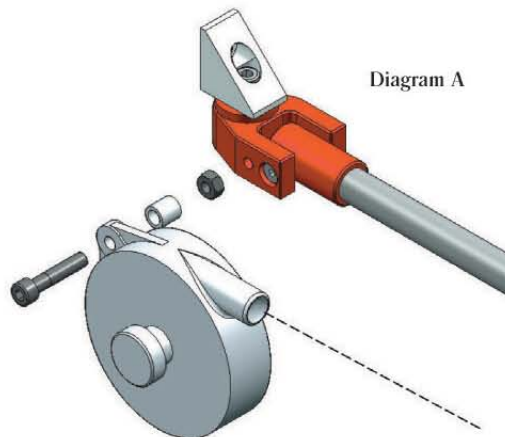


Diagram A

For EZ-12T, 30T, 80T & 140T models.  
A balancing kit (Diagram A) can be mounted on the side of any telescoping arm. It allows the arm to be used with pistol grip tools and angle nutrunners (see tool position options next page for using angle nutrunners with arms).

Item #	Balancer Capacity	Stroke
260140	2.2 - 4.4 lbs.	63"
260141	2.2 - 5.5 lbs.	78.75"
260142	4.4 - 8.8 lbs.	78.75"
260143	8.8 - 13.2 lbs.	78.75"

**NOTE!**

It is recommended to use a tool balancer with all EZ-Glider Telescoping Arm models. The telescoping arms should not be used at maximum arm reach on a permanent basis. Balancing Kit not included with torque arm.

For EZ-70IT, 120IT, & 200IT models.  
A balancing kit can be mounted on the side of any inverted telescoping arm. It allows the arm to be used with pistol grip tool and angle tools.

Item #	Balancer Capacity	Stroke
260190	4.4 - 8.8 lbs.	78.75"
260191	8.8 - 13.2 lbs.	78.75"
260192	13.2 - 17.6 lbs.	78.75"

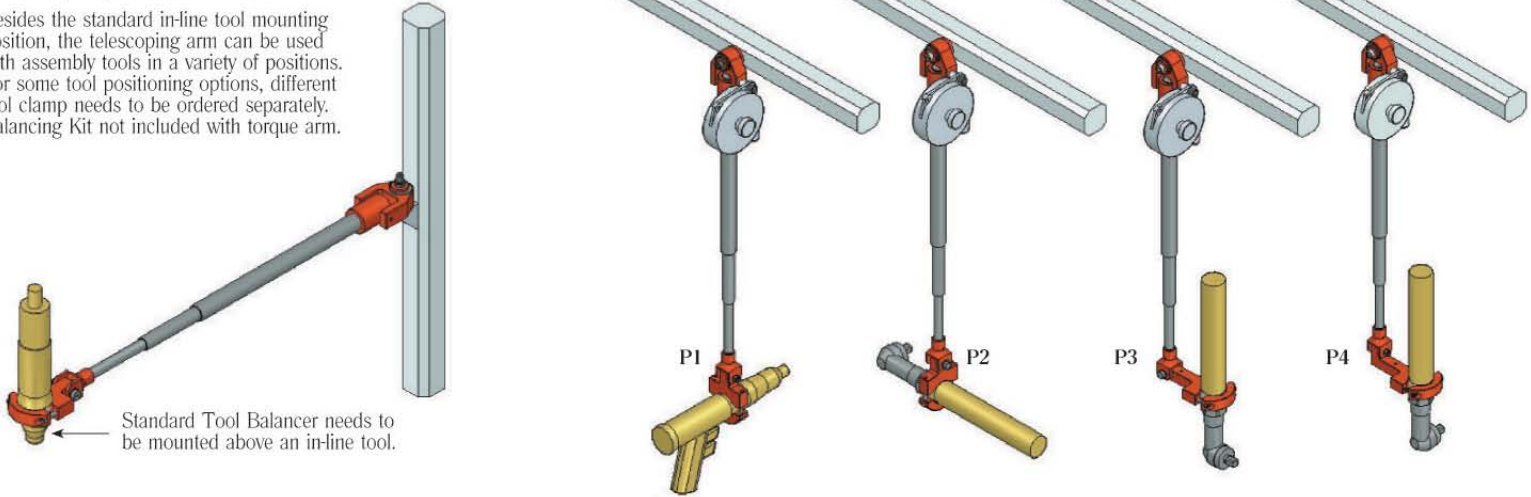
## TELESCOPING TORQUE ARMS

Model	Item #	Max. Torque		Clamp Dia.	Min Arm Reach	Max Arm Reach	Weight of Arm	Tool Position Options			
		lbf.ft	N.m					P1	P2	P3	P4
EZ-12T	260075	8.8	12	1 - 1.5"	18.1"	37"	1.35 lbs.	Yes	No	No	No
EZ-12T/1500	260115	8.8	12	1 - 1.5"	25.6"	59"	2.7 lbs.	Yes	No	No	No
EZ-12T/2000	260116	8.8	12	1 - 1.5"	32.3"	78.7"	3.3 lbs.	Yes	No	No	No
EZ-30T	260076	22.1	30	1 - 2"	18.7"	37.5"	1.5 lbs.	Yes	Yes, Order Clamp #260144	Yes, Order Clamp #260145	Yes, Order Clamp #260146
EZ-30T/1500	260117	22.1	30	1 - 2"	25.8"	59"	3.3 lbs.	Yes	Yes, Order Clamp #260144	Yes, Order Clamp #260145	Yes, Order Clamp #260146
EZ-30T/2000	260118	22.1	30	1 - 2"	32.4"	78.7"	4 lbs.	Yes	Yes, Order Clamp #260144	Yes, Order Clamp #260145	Yes, Order Clamp #260146
EZ-30T/2500	260119	22.1	30	1 - 2"	39.1"	98.4"	4.4 lbs.	Yes	Yes, Order Clamp #260144	Yes, Order Clamp #260145	Yes, Order Clamp #260146

### Tool Positioning Options:

for EZ-12T, 30T, 80T & 140T Models.

Besides the standard in-line tool mounting position, the telescoping arm can be used with assembly tools in a variety of positions. For some tool positioning options, different tool clamp needs to be ordered separately. Balancing Kit not included with torque arm.



## INVERTED TELESCOPING TORQUE ARMS (for High Torque)

Model	Item #	Max. Torque		Standard Clamp	Min Arm Reach	Max Arm Reach	Weight of Arm
		lbf.ft	N.m				
EZ-70IT/1500	260175	51.6	70	P2*	26.2"	59"	3.7 lbs.
EZ-70IT/2000	260176	51.6	70	P2*	32.8"	78.7"	4.2 lbs.
EZ-70IT/2500	260177	51.6	70	P2*	39.4"	98.4"	4.4 lbs.
EZ-120IT/1500	260178	88.5	120	P2*	27.2"	59"	5.3 lbs.
EZ-120IT/2000	260179	88.5	120	P2*	33.7"	78.7"	5.7 lbs.
EZ-120IT/2500	260180	88.5	120	P2*	40.3"	98.4"	6.4 lbs.
EZ-200IT/1500	260181	147.5	200	P2*	36.2"	59"	6.2 lbs.
EZ-200IT/2000	260182	147.5	200	P2*	46.1"	78.7"	7.1 lbs.
EZ-200IT/2500	260183	147.5	200	P2*	55.9"	98.4"	7.5 lbs.

Model	Tool Position Options - SOLD Separately		
	P1	P3	P4
EZ-70IT/1500	Clamp #260184	Clamp #260185	Clamp #260186
EZ-70IT/2000	Clamp #260184	Clamp #260185	Clamp #260186
EZ-70IT/2500	Clamp #260184	Clamp #260185	Clamp #260186
EZ-120IT/1500	Clamp #260187	Clamp #260188	Clamp #260189
EZ-120IT/2000	Clamp #260187	Clamp #260188	Clamp #260189
EZ-120IT/2500	Clamp #260187	Clamp #260188	Clamp #260189
EZ-200IT/1500	Clamp #260187	**On Request	**On Request
EZ-200IT/2000	Clamp #260187	**On Request	**On Request
EZ-200IT/2500	Clamp #260187	**On Request	**On Request

\*P2 - Standard Clamp provided with EZ-70IT, EZ-120IT & EZ-200IT.  
For other tool clamp options, sold separately.

\*\*Must provide information (Brand & Model) on each tool being used with the arm.  
The clamp is custom made to fit the tool being used.

Balancing Kit not included with torque arm.  
Each Clamp Diameters 1-3/8" - 2"



# EZ-Glider

## Position Control Torque Arm

### KEY FEATURES

Secure the assembly process by ensuring that every screw is in the correct location at the right torque.

Programmable sequence operation.

Detects - cross threading, omissions, unfinished rundowns and cycle complete.

Compatible with air and electric screwdrivers.

Programmable:

- Positioning Tolerance
- Min. and Max. time for Poka Yoke control (automatic or manual)
- 99 memory points

Password protection and wall mountable.

Can interface with most intelligent driver systems that store multiple torque programs and has external digital I/O control.

Prevents cross threading and side load. Keeps tool perpendicular.

Reduces RMI (Repetitive Motion Injury) and CTS (Carpal Tunnel Syndrome) while boosting production.

With the ability to bend like an elbow, the torque arm provides agility to position the tool in a variety of positions for different applications. Arm can be set at an inclination of 0°, 22.5° & 45°.

Provides smooth flexible range as the arm absorbs torque reactions from electric & air screwdrivers, angle nut runners, pulse tools, and pistol grip tools.

Quick and easy to setup. Self teaching and automation program mode.

The arms are equipped with encoders.

### ARTICULATED TORQUE ARMS

Model	Item #	Max Torque		Balancer Capacity
		lbf.ft	N.m	
EZ-12RPC	260165	8.8	12	1.1 - 2.6 lbs.
EZ-25RPC	260156	18.4	25	2.2 - 4.8 lbs.
EZ-40RPC	260157	29.5	40	3.1 - 4.8 lbs.
EZ-100RPC	260158	73.7	100	4.4 - 7.7 lbs.

Model	Min and Max Arm Reach at Inclination (in.)		
	0°	22.5°	45°
EZ-12RPC	15 1/8 - 21	14 1/2 - 20	12 1/3 - 18
EZ-25RPC	15 1/2 - 21 1/2	15 - 20 1/2	12 7/8 - 18 1/2
EZ-40RPC	22 1/4 - 30	21 1/8 - 29	18 1/8 - 26
EZ-100RPC	26 1/3 - 34	25 1/8 - 33	22 - 29 1/2

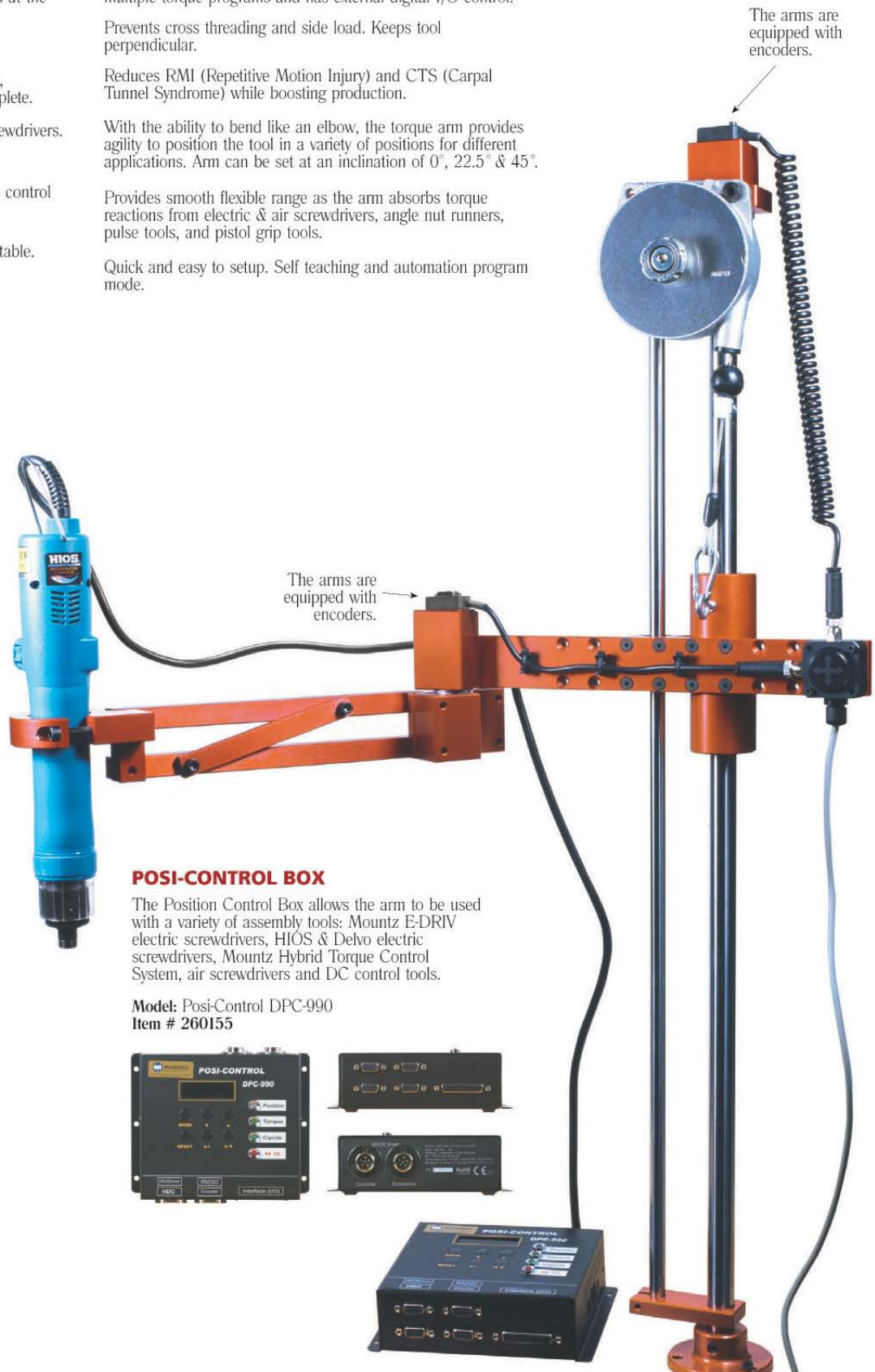
### CABLES

For connecting tools to Posi-Control DPC-990

Description	Item #
STC30 Plus, STC40	260159
Stanley TAU & THETA DC Tools	260160
HD-Series Hybrid Controller	260161
Air Tool Porting Kit	260162
Delvo DLC 1213 AD/ CA /IF controller	260163

### NOTE!

An additional balancer (Item #260152) can be added to the EZ-40RPC & EZ-100RPC model to increase balancer capacity. The additional balancer increases the dual balancer capacity to 5.3 - 8.8 for the EZ-40RPC, and 6.6 - 13.2 for the EZ-100RPC.



### POSI-CONTROL BOX

The Position Control Box allows the arm to be used with a variety of assembly tools: Mountz E-DRIV electric screwdrivers, HIOS & Delvo electric screwdrivers, Mountz Hybrid Torque Control System, air screwdrivers and DC control tools.

Model: Posi-Control DPC-990  
Item # 260155





# EZ-Glider

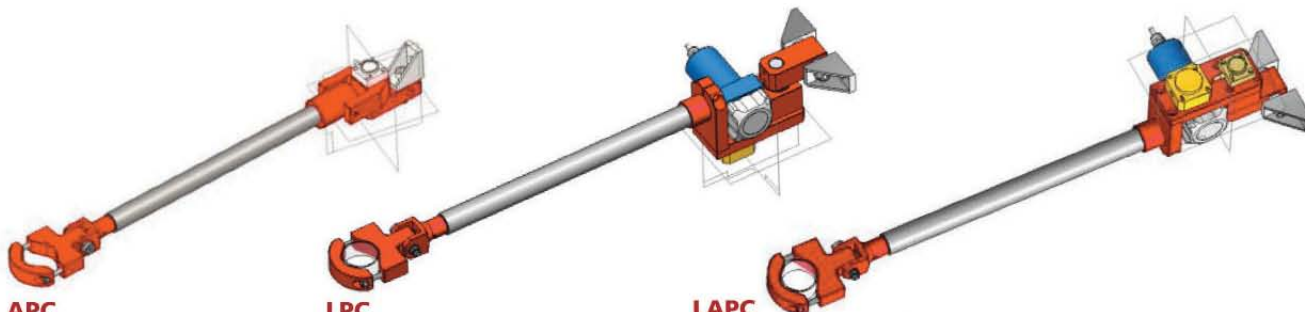
## Position Control Telescoping Torque Arms



### KEY FEATURES

- Secure the assembly process by ensuring that every screw is in the correct location at the right torque.
- Programmable sequence operation.
- Detects - cross threading, omissions, unfinished rundowns and cycle complete.
- Compatible with air and electric screwdrivers.
- Password protection and wall mountable.
- Can interface with most intelligent driver systems that store multiple torque programs and has external digital I/O control.
- Eliminates torque reaction of power tools. Can be used with a variety of assembly tools.
- Quick and easy to setup. Self teaching and automation program mode.
- Programmable: Positioning Tolerance, Min. and Max. time for Poka Yoke control (automatic or manual) and 99 memory points.

- Crafted with lightweight durable carbon fiber, the arm collapses like a telescope.
- Easy-to-use, requires little space and doesn't disrupt production flow.
- The effortless handling of the torque arm provides comfortable tool operation and increased production.
- Mountable and easy to install on a wall, workbench and a standard rail or trolley system.
- Maintenance free.
- Long arm reach capability up to 6 1/2' ft.
- Torque Arm is available in 3 options:  
 APC model - Equipped with one angle coder.  
 LPC model - Equipped with one cable length coder.  
 LAPC model - Equipped with one cable length coder & one angle coder.



**APC**  
Equipped with one angle coder.

**LPC**  
Equipped with one cable length coder.

**LAPC**  
Equipped with one cable length coder & one angle coder.

Model	Item #	Model	Item #	Model	Item #	Max. Torque lbf.ft	N.m	Clamp Dia.	Min Arm Reach	Max Arm Reach	Weight of Arm
EZ-30T APC	260212	EZ-30T LPC	260219	EZ-30T LAPC	260226	22.1	30	1 - 2"	18.7"	37.5"	2.4 lbs.
EZ-30T/1500 APC	260213	EZ-30T/1500 LPC	260220	EZ-30T/1500 LAPC	260227	22.1	30	1 - 2"	25.8"	59"	2.6 lbs.
EZ-30T/2000 APC	260214	EZ-30T/2000 LPC	260221	EZ-30T/2000 LAPC	260228	22.1	30	1 - 2"	32.4"	78.7"	2.9 lbs.
EZ-80T/1500 APC	260215	EZ-80T/1500 LPC	260222	EZ-80T/1500 LAPC	260229	59	80	1 - 2"	28.1"	59"	5.9 lbs.
EZ-80T/2000 APC	260216	EZ-80T/2000 LPC	260223	EZ-80T/2000 LAPC	260230	59	80	1 - 2"	34.6"	78.7"	6.3 lbs.
EZ-140T/1500 APC	260217	EZ-140T/1500 LPC	260224	EZ-140T/1500 LAPC	260231	103.3	140	1.25 - 2"	36.5"	59"	6.7 lbs.
EZ-140T/2000 APC	260218	EZ-140T/2000 LPC	260225	EZ-140T/2000 LAPC	260232	103.3	140	1.25 - 2"	46.4"	78.7"	7.3 lbs.

### POSI-CONTROL BOX

Requires Position Control Box.

Model: Posi-Control DPC-990  
Item # 260155



**Tool Positioning Options:** for EZ-30T, 80T & 140T Models, (see page 01.38 top page drawings for reference).

Position	P1: Telescoping Arm with Pistol Tool	P2: Telescoping Arm with Angle Nutrunner (Horizontal Position)	P3: Telescoping Arm with Angle Nutrunner (Vertical Position for Lateral Tightening)	P4: Telescoping Arm with Angle Nutrunner (Vertical Position for Front Tightening)
EZ-30T	Yes	Yes, Order Clamp Item # 260144	Yes, Order Clamp Item # 260145	Yes, Order Clamp Item # 260146
EZ-80T	Yes	Yes	Yes	Yes, Order Clamp Item # 260148
EZ-140T	Yes	Yes	Yes	Yes, Order Clamp Item # 260148



### NOTE!

It is recommended to use a tool balancer with all EZ-Glider Telescoping Arm models. The telescoping arms should not be used at maximum arm reach on a permanent basis. Balancing Kit not included with torque arm.

Balancing kit options for vertical mounting and standard gliding rail system, see page 01.37.

# EZ-Slider

## Sliding Torque Arms

### KEY FEATURES

An ideal ergonomic solution for multi-tool applications such as a moving production and assembly line. Ideal for automotive production lines.

Maintenance Free.

Arm is crafted with a lightweight durable carbon fiber.

Easy to install and improves operator comfort and productivity.

Requires little space and doesn't disrupt production flow.

Mountable with a standard rail system, trolley, aluminum extrusion, wall or existing work station.

Eliminates torque reaction of power tools. Can be used with a variety of assembly tools like angle nutrunners and electric & pneumatic screwdrivers.

Arm slides up and down and provides X & Y axis mobility.

### EZ-SLIDER TORQUE ARMS

Model	Item #	Max Torque		Clamp Dia.	Max Vertical Stroke	Balancer Capacity
		lbf.ft	N.m			
EZ-Slider 8	260101	5.9	8	*	17 3/4"	4.4 - 6.6 lbs.
EZ-Slider 8C	260211	5.9	8	*	9 7/8"	4.4 - 6.6 lbs.
EZ-Slider 20	260193	14.7	20	*	17 3/4"	6.6 - 11 lbs.
EZ-Slider 40	260129	29.5	40	1 - 2"	16 1/2"	13.2 - 17.6 lbs.
EZ-Slider 80	260130	59	80	1 - 2"	16 1/2"	17.6 - 22 lbs.

\*The EZ-Slider 8 & 20 comes with a standard 1/4" air fitting. An electric tool clamp is sold separately.

### ACCESSORIES

#### GLIDING RAIL SYSTEM

EZ-Slider arm slides up and down. "Gliding Rail System" allows the EZ-Slider arm to glide horizontally (side-to-side) on a production floor. Combine these two items and get the "Slide & Glide" movement. The Gliding Rail System can mount to a standard rail system, wall, aluminum extrusion or existing overhead system and is available in a variety of lengths. The EZ-Slider mounts on to the "Carriage". Each Gliding Rail System includes one Carriage.



Model	Working Distance/Item #					
	450mm	650mm	850mm	1050mm	1350mm	1850mm
<b>Standard Gliding Rail System</b> (for EZ-Slider 8, 20 & 40)	#260103	#260104	#260105	#260106	#260107	#260108
<b>High Torque Gliding Rail System</b> (for EZ-Slider 80)	#260131	#260132	#260133	#260134		

#### CARRIAGE

(Only for Standard Gliding Rail System)

Additional Carriages can be purchased separately and added only to the Standard Gliding Rail System, which allows for multiple Slider Arms to be used freely on a rail system. A Thrust Stopper should be placed between each carriage.

Item #260109



#### BALANCER CARRIAGE

Features a hook for mounting a tool balancer. It can only be mounted to the Standard Gliding Rail System.

Item #260042



#### THRUST STOPPER

When having multiple carriages mounted to the Standard Gliding Rail System, it's recommended to place a Thrust Stopper between each carriage.

Item #260044



#### IN-LINE TOOL CLAMP FOR ELECTRIC DRIVERS

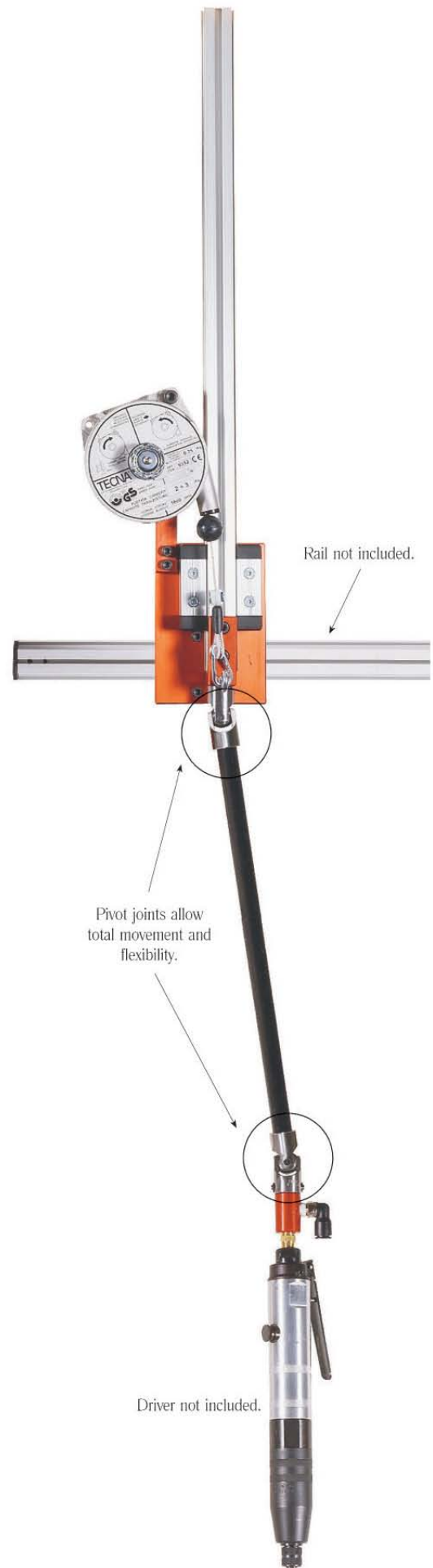
Model	Item #	Clamp Dia.
EZ-Slider 8	260110	1 - 2"
EZ-Slider 20	260111	1 - 2"

\*Clamps for VZ & VB-Series models ONLY.

#### ANGLE DRIVER TOOL CLAMP

(Not Pictured)

Model	Item #	Clamp Dia.
EZ-Slider 20	260233	1 - 2"





# Tool Balancers

These durable, compact tool balancers provide easy handling for operators that work with tools for long, continuous hours. The tool balancers allow tools to be positioned over the work station for comfortable operation and can be used with pneumatic, electric or hydraulic tools.

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## ZERO GRAVITY TOOL BALANCERS

- Provides gravity defying - "true balance".
- Compact & robust.
- Easy external tensioning adjustment.
- 360° top swivel.
- No tension build-up to cause worker fatigue.
- Aircraft stranded steel cable.
- Provision for safety cable.
- Permanent lubrication (for MZ-6 through MZ-264 models).
- Safety lock (for MZ-33 through MZ-264 models).

Model	Item #	Stroke		Weight Capacity		Weight lbs.
		in.	m.	lbs.	kg.	
MZ-3A	180500	19	0.5	1.1 - 3.3	0.5 - 1.5	0.5
<b>A</b> MZ-3B	180501	39	1	1.1 - 3.3	0.5 - 1.5	1.1
MZ-6	180502	51	1.3	2.2 - 6.6	1 - 3	3
MZ-11	180503	51	1.3	5.5 - 11	2.5 - 5	3.3
MZ-20	180504	51	1.3	10 - 20	4.5 - 9	7.5
<b>B</b> MZ-33	180505	51	1.3	19.8 - 33	9 - 15	8.4
MZ-48	180506	59	1.5	33 - 48.4	15 - 22	15.9
MZ-66	180507	59	1.5	48 - 66	22 - 30	16.8
MZ-88	180508	59	1.5	66 - 88	30 - 40	21.6
MZ-110	180509	59	1.5	88 - 110	40 - 50	23
MZ-132	180510	59	1.5	110 - 132	50 - 60	25.6
MZ-154	180511	59	1.5	132 - 154	60 - 70	26
MZ-198	180532	82	2.1	154 - 198	70 - 90	59.5
MZ-231	180533	82	2.1	187 - 231	85 - 105	63.9
MZ-264	180534	82	2.1	220 - 264	100 - 200	66.1

## RETRACTOR TOOL BALANCERS

- Lightweight & compact.
- Easy to adjust tension by using handle.
- Adjustable cable stop.
- 360° top swivel.
- Provision for safety cable.

Model	Item #	Stroke		Weight Capacity		Weight lbs.
		in.	m.	lbs.	kg.	
<b>C</b> MJ-3	180521	59	1.5	1.1 - 3.3	0.5 - 1.5	0.7
MR-3	180515	79	2	1.1 - 3.3	0.5 - 1.5	1.1
<b>D</b> MR-6	180516	79	2	2.2 - 6.6	1 - 3	1.5
MR-11	180517	79	2	5.5 - 11	2.5 - 5	2

## HOSE REEL TOOL BALANCERS

- Designed for small pneumatic tools.
- Integrating air hose & support cable keep work area clean.
- Easy to adjust tension by using handle.
- Provision for safety cable.
- 1/4" NPT Connector.

Model	Item #	Stroke		Weight Capacity		Weight lbs.
		in.	m.	lbs.	kg.	
<b>E</b> MH-3	180512	51	1.3	1.1 - 3.3	0.5 - 1.5	1.1
MH-6	180513	51	1.3	2.2 - 6.6	1 - 3	2.2
MH-11	180514	51	1.3	5.5 - 11	2.5 - 5	2.9

## TOOL POSITIONER BALANCER

- Lightweight & small.
- Tool will remain at whatever level or position left in.

Model	Item #	Stroke		Weight Capacity		Weight lbs.
		in.	m.	lbs.	kg.	
<b>F</b> Mini 31	180029	60	1.5	1 - 12	0.4 - 5.6	.75

# Sony FeedKids

## Table Top Screw Presenter



### KEY FEATURES

Screw presenters are small, tabletop devices used to organize and automate work areas and production cells. Screw presenters make assemblers and the assembly process more efficient by mechanically presenting a screw to a fixed pick up point.

For cell or line based assembly, an operator uses a magnetized bit or vacuum attachment to pick up a screw from the presenter screw guide. Conventional assembly methods cause assemblers to inefficiently fumble with screws that are stored in bins or shaker trays.

Screws are poured into the hopper of the screw presenter and automatically lined up for dispensing.

This simple mechanism allows trouble-free operation, eliminating jammed or stuck screws.

The inexpensive screw presenter is an alternative tool instead of the cumbersome and very expensive screwfeeder systems.

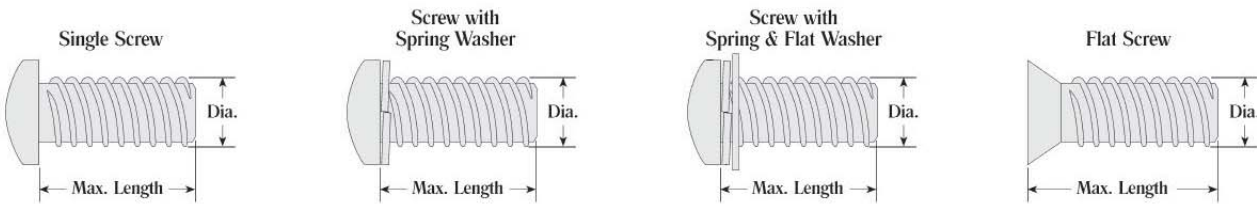
The FK-505 series is available with 3 models. Units for standard screws, flat screws & robotic applications.

The compact system can fit into any work environment for easy accessibility and provides virtually maintenance-free operation.



### NOTE!

Screw Presenter requires the use of magnetized bit (page 01.45) or vacuum attachment (page 01.47) with the power tool.



### FK-505 SERIES (Fixed Rail Width)

For Standard Screws					For Flat Screws Only			For Robotic Applications						
Model	Item #	Single Screw	Screw w/ Spring Washer	Screw w/ Spring & Flat Washer	Model	Item #	Single Screw	Model	Item #	Single Screw	Screw w/ Spring Washer	Screw w/ Spring & Flat Washer	Screw Nominal Diameter	Max. Length
FK-514	144750	1.4mm	-	-	FK-514F	144760	1.4mm	FK-514RS	144769	1.4mm	-	-	M1.4	18mm
FK-517	144751	1.6mm	-	-	FK-517F	144761	1.6mm	FK-517RS	144770	1.6mm	-	-	M1.7	18mm
FK-520	144752	1.8mm	3.0mm	5.0mm	FK-520F	144762	1.8mm	FK-520RS	144771	1.8mm	3.0mm	5.0mm	M2.0	18mm
FK-523	144753	2.5mm	4.0mm	5.0mm	FK-523F	144763	2.5mm	FK-523RS	144772	2.5mm	4.0mm	5.0mm	M2.3	18mm
FK-526	144754	2.8mm	4.0mm	6.0mm	FK-526F	144764	2.8mm	FK-526RS	144773	2.8mm	4.0mm	6.0mm	M2.6	18mm
FK-530	144755	3.0mm	4.0mm	6.0mm	FK-530F	144765	3.0mm	FK-530RS	144774	3.0mm	4.0mm	6.0mm	M3.0	18mm
FK-535	144756	3.5mm	6.8mm	8.0mm	FK-535F	144766	3.5mm	FK-535RS	144775	3.5mm	6.8mm	8.0mm	M3.5	18mm
FK-540	144757	4.0mm	6.8mm	8.0mm	FK-540F	144767	4.0mm	FK-540RS	144776	4.0mm	6.8mm	8.0mm	M4.0	18mm
FK-550	144758	5.0mm	6.8mm	10.0mm	FK-550F	144768	5.0mm	FK-550RS	144777	5.0mm	6.8mm	10.0mm	M5.0	18mm

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# SureFeed

## Table Top Screw Presenter with Changeable Rail Units

### KEY FEATURES

The SureFeed is a high precision yet inexpensive table top screw-feeder designed to enhance productivity.

This simple mechanism allows trouble free operation, eliminating jammed or stuck screws.

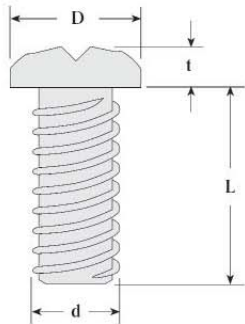
Screws are poured into hopper and automatically lined up.

The unique up and down screw hopper feeds screws efficiently into the screw-feeding rail and the photosensors prevent screws from jamming or sticking.

Pick up rate of up to two screws per second.

The versatile unit can easily change to another screw by simply changing the screw-feeding rail. It can feed sems, w-sems, washer-head, and flat head screws.

HSF Models feature an ultra-slim and compact design (55mm or 2 1/8" wide) for efficient use of small workstations.



### HS-SERIES

Model	Item #	Max. Head Diameter D - mm	Max. Shaft Diameter d - mm	Max. Head Height t - mm	Max. Length L - mm	Dimensions W x D x H	Weight
HS-14C	144702	9.6 (0.377")	1.4 (0.055")	7.1 (0.279")	20 (0.7874")	4 7/8" x 7 1/8" x 5 3/4"	6.6 lbs.
HS-17C	144703	9.6 (0.377")	1.7 (0.066")	7.1 (0.279")	20 (0.7874")	4 7/8" x 7 1/8" x 5 3/4"	6.6 lbs.
HS-20	144705	10 (0.393")	2 (0.078")	7.1 (0.279")	18 (0.7086")	4 7/8" x 7 1/8" x 5 3/4"	6.6 lbs.
HS-23	144706	10 (0.393")	2.3 (0.090")	7.1 (0.279")	18 (0.7086")	4 7/8" x 7 1/8" x 5 3/4"	6.6 lbs.
HS-26	144707	10 (0.393")	2.6 (0.102")	7.1 (0.279")	18 (0.7086")	5 1/8" x 8 1/2" x 5 1/3"	7 lbs.
HS-30	144701	10 (0.393")	3 (0.118")	7.1 (0.279")	18 (0.7086")	5 1/8" x 8 1/2" x 5 1/3"	7 lbs.
HS-40	144708	13.4 (0.527")	4 (0.157")	8.4 (0.330")	18 (0.7086")	5 1/8" x 8 1/2" x 5 1/3"	7 lbs.
HS-50	144709	13.4 (0.527")	5 (0.196")	8.4 (0.330")	18 (0.7086")	5 1/8" x 8 1/2" x 5 1/3"	7 lbs.

Requires the use of a bit with a reduced shank due to the design of the "bit guide". Please contact customer service.

### HSF-SERIES

Model	Item #	Max. Head Diameter D - mm	Max. Shaft Diameter d - mm	Max. Head Height t - mm	Max. Length L - mm	Dimensions W x D x H	Weight
HSF-10	144723	2.2 (0.087")	1 (0.039")	7.1 (0.279")	16 (0.629")	2 1/8" x 8" x 5 5/8"	5.3 lbs.
HSF-12	144724	2.5 (0.099")	1.2 (0.047")	7.1 (0.279")	16 (0.629")	2 1/8" x 8" x 5 5/8"	5.3 lbs.
HSF-14	144725	2.8 (0.393")	1.4 (0.055")	7.1 (0.279")	16 (0.629")	2 1/8" x 8" x 5 5/8"	5.3 lbs.
HSF-17	144726	3.4 (0.133")	1.7 (0.066")	7.1 (0.279")	16 (0.629")	2 1/8" x 8" x 5 5/8"	5.3 lbs.
HSF-20	144727	4.2 (0.165")	2 (0.078")	7.1 (0.279")	16 (0.629")	2 1/8" x 8" x 5 5/8"	5.3 lbs.
HSF-26	144728	5 (0.197")	2.6 (0.102")	7.1 (0.279")	16 (0.629")	2 1/8" x 8" x 5 5/8"	5.3 lbs.
HSF-30	144729	5.8 (0.228")	3 (0.118")	7.1 (0.279")	16 (0.629")	2 1/8" x 8" x 5 5/8"	5.3 lbs.

### NOTE!

Screw Presenter requires the use of magnetized bit (page 01.45) or vacuum attachment (page 01.47) with the power tool.

### CHANGEABLE RAIL UNITS

The versatile unit easily changes to another screw by changing the screw-feeding rail. The rail unit can only be interchanged with units of the same body style. When selecting a different Rail Unit for a Model, the Push Plate must be changed as well for the appropriate rail (for HS-Series only).

Model	Max. Shaft Diameter	Changeable Rail Unit #	Push Plate #	Body Style
HS-14C	1.4	144710	-	HS-127
HS-17C	1.7	144711	-	HS-127
HS-20	2	144713	144719	HS-230
HS-23	2.3	144714	144719	HS-230
HS-26	2.6	144715	144720	HS-230
HS-30	3.0	144716	144720	HS-230
HS-40	4.0	144717	144721	HS-450
HS-50	5.0	144718	144722	HS-450

Model	Max. Shaft Diameter	Changeable Rail Unit #	Body Style
HSF-10	1	144730	HSF-01
HSF-12	1.2	144731	HSF-01
HSF-14	1.4	144732	HSF-01
HSF-17	1.7	144733	HSF-01
HSF-20	2	144734	HSF-01
HSF-26	2.6	144735	HSF-02
HSF-30	3	144736	HSF-02

# Accessories



## TOOL CRIB Item #064000

Prevents broken or dropped tools. Reduces tool bench clutter. Easy operator access.

Mounts in a variety of positions on the work bench or the production line. The flexible ToolCrib can rotate to 8 locations.

Hole at the bottom of ToolCrib allows for a bit to pass through.

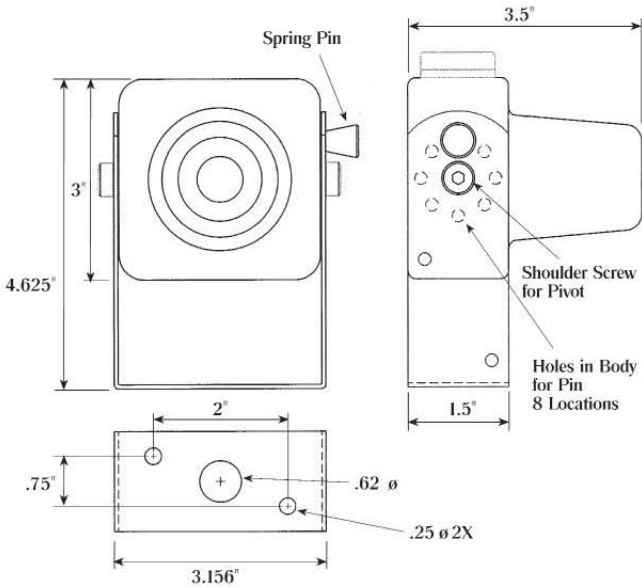
Crafted with durable aluminum.



Surface Mount



Under Table Mount



## MAG-O-NETS

Magnetize bits by sliding a Mag-O-Net onto the bit.

(actual size)



Desc.	Item #	Inner Dia.	Outer Dia.	Package Quantity	Use
for 3/16" Shank Bit	145710	3/16"	17.5mm	10	For most 0 & 00 bits
for 5mm Shank Bit	145711	6mm	17.5mm	10	Reduced Dia. Bits
for 1/4" Shank Bit	145712	7mm	19mm	10	Standard Bits



## MOUNTZ RIGHT ANGLE ADAPTER

Robust and durable. Easily mounts onto nose of driver. Only operational with Lever Start 1/4" F/Hex driver models. Size 4-1/8" x 1-1/2".

Item # Fits Driver Models:

067061	K-Series
067062	A4500, A5000, CL4000, SS4000
067063	A6500, CL6000, CL6500, CL7000, SS6500, SS7000
067064	VZ-Series
067065	EF-Series
067067	Delvo 7100/7200 Series
067068	Delvo 7500 Series
067069	E-Series, NF-Series



## HIOS RIGHT ANGLE ADAPTER

Only works with Lever Start 1/4" Female Hex drives. Keep torque output to within 70%.

Threadstyle: 23.85 dia x 1.5mm pitch  
Use with: A6500, CL6000, CL6500, CL7000, SS6500, SS7000

Size: 3" x 2-1/4"

Item #144323



## PUSH-TO-START ADAPTER

Converts lever operated tools to Push-to-Start models.

A4500, A5000, CL4000, SS4000

Item #144342

Hex to HIOS



HIOS to Hex



## DRIVE ADAPTERS

1/4" F/Hex Drive to 4mm HIOS Drive

Item #144328

1/4" F/Hex Drive to 5mm HIOS Drive

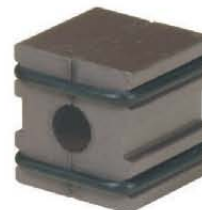
Item #144337

4mm HIOS Drive to 1/4" F/Hex Drive

Item #144327

5mm HIOS Drive to 1/4" F/Hex Drive

Item #144332



## MAGNETIZER / DEMAGNETIZER

Magnetize or demagnetize bits and parts instantly.

Item #120815

**PISTOL GRIPS**

Converts inline drivers to pistol grip.



HIOS Models:  
A6500  
CL6000  
CL6500  
CL7000  
SS6500  
SS7000  
Item #144341

Standard  
Pistol Grip  
Attachment  
(for K-Series)  
Item #145713



ESD Pistol Grip  
Attachments:  
(for NF-Series)  
Item #145789

(for BF060, BF080, BF120)  
Item #145788

(for K-Series ESD Models)  
Item #145714

**TOOL STAND**

A rugged adjustable tool support stand. Prevent tool damage due to dropping or mishandling. Convenient tool positioning - adjust both vertically and horizontally. Electric tool cords can be tie-wrapped to the vertical base to keep work station clean. 360 degree swivel. Four foot high, maximum arm length 1.75 feet. A tool balancer is recommended.

Model: MT-10  
Item #060050



**BENCH CLAMP**

Used to clamp MT-10 Tool Stand base to table tops. This handy unit eliminates hole drilling and secures the tool stand in place. It's flexible and ready to move at a moments notice.  
Model: 311  
Item #180035

**EXTENSION CORD**

Combine with existing power cord. Works with A, BL, CL, EF, ESD, K or SS Series Drivers.

Length: 10 ft.  
Item #144180

Length: 16 ft.  
Item #144181



**COILED POWER CORD**

Works with A, BL, CL, EF, ESD, K or SS Series Drivers.

Length: 4 ft. coiled (5 ft. extended)  
Item #41F9TR-8100



**DRILL CHUCK**

Converts all 1/4" drive tools for drilling applications. Chuck capacity 1/4". Comes with chuck key.  
Item #144331



**DRILL CHUCK KEY**

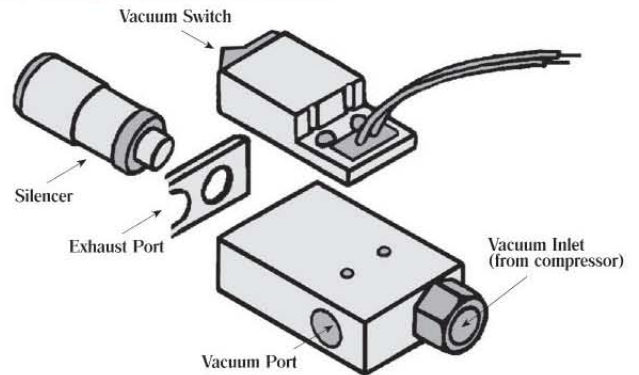
Item #144336

**TORQUE BUSTER**

Designed to reduce operator injuries resulting from the torque transmitted from the power tool to the hand of the operator. High user comfort, decreases injuries, works in all orientations, and fits most power tools  
Item #144315



**EJECT-TORR, VACUUM EJECTOR**



This complete kit converts present shop lines into a vacuum system for fasteners.

The EJEC-TORR is small, light and easier to mount than conventional vacuum pumps.

No vacuum tanks and complicated piping are required.

The EJEC-TORR is vibration-free and produces comparatively little noise.

Model: ET-10HR  
Nozzle Dia: .038"  
Vacuum Flow (SCFM)(0"Hg): 0.88  
Achieved Vacuum: 26.7  
Air Compression (SCFM): 1.60  
Weight: 3 oz.  
Item #144314

# Accessories



## COIL AIR HOSE

Dual swivel hose fittings provide 360° rotation. Durable polyurethane hose - 8mm ID. Flexible, lightweight and good recoil memory. 1/4 NPT fitting. Burst pressure 426 PSI at 73° F

Length	Item #
6m	360030
10m	360031



## COUPLER

for Air Tool (Universal 1/4 female)

Item #360033



## FITTINGS

for Air Tool 1/4" Female (Milton type)

Item #360034

for Air Tool 1/4" Male (Milton type)

Item #360035

## FILTER REGULATOR

Item #360032



NPT Port Size: 1/4"  
Filter Element: 5µ  
Max. Input Pressure: 150 PSI  
Max. Output Pressure: 7 ~ 140 PSI  
Max. Flow: 38.8 cfm  
Operating Temp. Range: 40°F ~ 140°F  
Drain Capacity: 15 ml



## FILTER, REGULATOR and LUBRICATOR

(not pictured)

Model: 1/4" FRL  
Item #360037

NPT Port Size: 1/4"  
Filter Element: 5µ  
Max. Input Pressure: 150 PSI  
Max. Output Pressure: 7 ~ 142 PSI  
Max. Flow: 38.8 cfm  
Operating Temp. Range: 5°F ~ 60°F  
Drain Capacity: 15 ml  
Oil Capacity: 30 ml  
Recommended Lubricants: ISO VG-32

Model: 3/8" FRL  
Item #360038

NPT Port Size: 3/8"  
Filter Element: 5µ  
Max. Input Pressure: 215 PSI  
Max. Output Pressure: 7 ~ 150 PSI  
Max. Flow: 105.9 cfm  
Operating Temp. Range: 5°F ~ 60°F  
Drain Capacity: 80 ml  
Oil Capacity: 150 ml  
Recommended Lubricants: ISO VG-32

**mr. metric**

Mr. Metric is the leading metric fastener specialist in North America. Well regarded as experts in metric. Mr. Metric is known for hard to find metric items at competitive prices. Visit [www.mrmetric.com](http://www.mrmetric.com)



## VACUUM ADAPTER KIT

Mounts easily to BF, BL, CL, EF, SS, A, ESD, and VZ-Series Drivers.

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 choose the Vacuum Ejector.

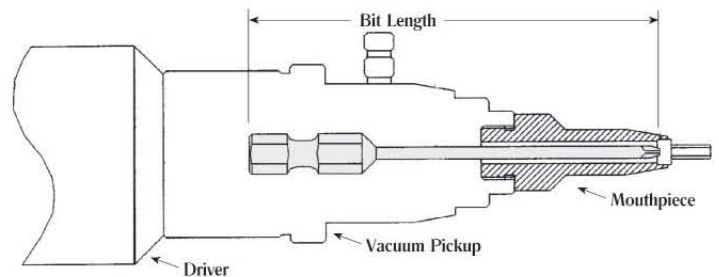
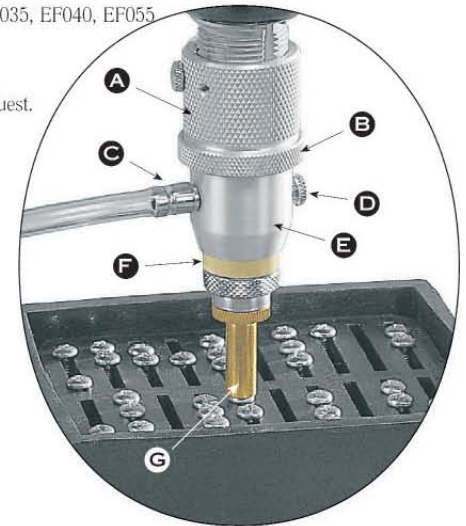
Mouthpiece and bit purchased separately.

### Item # | Fits Driver Models:

144318	CL2000, SS2000*
144319	A4500, A5000, CL3000, CL4000, SS3000, SS4000*
144322	A6500, CL6000, CL6500, CL7000, SS6500, SS7000*
144345	BL3000*
144338	BL5000*
144346	BL7000*
144356	VB1510, VB1820, VB3012, VB4504, VZ1820, VZ3012, VZ4506
145612	BF060, BF080, BF120, EF080, EF120, EF180
145653	BF035, BF045, EF035, EF040, EF055
145864	NF-Series
061012	K250, K350, K450

\*ESD models available on request.

- A** Torque Nut
- B** Lock Ring
- C** Vacuum Fitting
- D** Lock Screw
- E** Funnel Assembly
- F** Cartridge
- G** Finder



## MOUTHPIECES

(Sold Separately from Kit above)

Standard mouthpieces are manufactured of stainless steel, unless specified. Modification Requirements listed are required for Mountz to design a mouthpiece to fit your specific application.

## Modification Requirements

- Electric driver model.
- Torque setting.
- Drive size.
- Bit style and length.
- Fastener samples need to be submitted.
- Any special requirements, i.e. space restrictions.



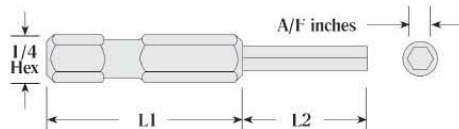
When ordering special extended bits,  
we need the specific information below  
to provide a quote.

# Special Bits



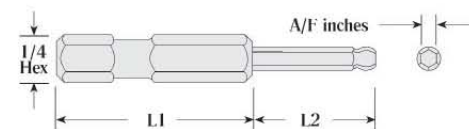
## VZ-SERIES

Electric Torque Screwdriver  
Direct Plug-in  
SEE PAGE 01.15



### HEX BITS or BLADES

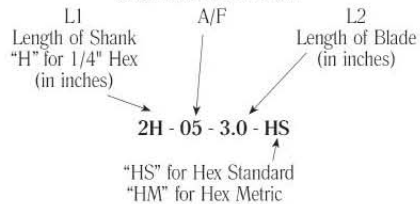
AMERICAN		METRIC	
A/F	L2 (max.)	A/F	L2 (max.)
.05"	3"	1.5mm	3 1/4"
1/16"	3 1/4"	2mm	4 3/4"
5/64"	3 1/2"	2.5mm	5 1/2"
3/32"	3 3/4"	3mm	7 1/4"
7/64"	7"	4mm	8 1/4"
1/8"	7 1/2"	5mm	9 1/4"
9/64"	8"	6mm	10"
5/32"	8 1/2"	8mm	10 3/4"
3/16"	9 1/4"		
1/4"	6"		
5/16"	7"		



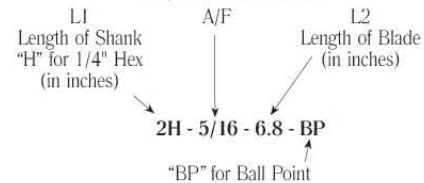
### BALL POINT BITS or BLADES

AMERICAN		METRIC	
A/F	L2 (max.)	A/F	L2 (max.)
.05"	3"	1.5mm	3 1/4"
1/16"	3 1/4"	2mm	4 3/4"
5/64"	3 1/2"	2.5mm	5 1/2"
3/32"	3 3/4"	3mm	7 1/4"
7/64"	7"	4mm	8 1/4"
1/8"	7 1/2"	5mm	9 1/4"
9/64"	8"	6mm	10"
5/32"	8 1/2"	8mm	10 3/4"
3/16"	9 1/4"		
1/4"	6"		
5/16"	7"		

### ORDERING SYSTEM



### ORDERING SYSTEM



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Keep informed about our torque tool products, events and industry news. Select your favorite social media site to catch the latest news from Mountz.



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### NOTE!

Bits in excess of 4" long are subject to "bowing".

# HIOS Bits

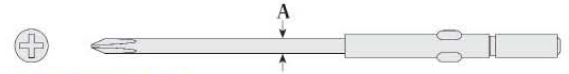
For use with electric screwdrivers with a drive size of 4mm HIOS or 5mm HIOS.



## 4MM PHILLIPS

Point Size	Package Quantity	Overall Length					
		40mm 1.58"	60mm 2.37"	80mm 3.15"	100mm 3.94"	120mm 4.72"	150mm 5.9"
00	5	144408	144407	144406	144405	-	-
0	5	144416	144417	-	144419	-	-
1	5	144422	144423	144424	144425	144461	144617
2	5	144428	144429	144430	144431	144475	144615

Item #



## 4MM PHILLIPS REDUCED SHANK

Point Size	Package Quantity	Overall Length				A mm
		40mm 1.58"	60mm 2.37"	80mm 3.15"	100mm 3.94"	
00	5	144411	144412	144413	144414*	1.5
0	5	144409	144477	144478	-	1.5
0	5	-	144503	144504	-	1.7
0	1	-	144467	-	-	1.8
0	5	144460	144455	144448	144404	2.0
0	5	144403	144466	144456	144457	2.5
1	5	144410	144421	144602	144426	3.0

Item #



## 4MM SLOTTED



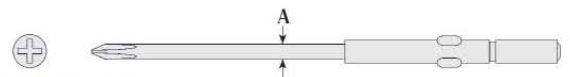
40mm 1.58"	Overall Length		Package Quantity	Width "A"		Blade Thickness	
	60mm 2.37"	80mm 3.15"		in.	mm	in.	mm
-	144434	144463	5	.043	1.1	.011	.28
-	144435	144464	5	.051	1.3	.011	.28
144458	144436	144500	5	.059	1.5	.012	.30
144459	144437	144611	5	.067	1.7	.012	.30
-	144438	144621	5	.071	1.8	.016	.40
144441	144442	144606	5	.079	2.0	.016	.40
-	144443	144607	5	.091	2.3	.016	.40
144445	144446	144608	5	.098	2.5	.016	.40
-	144447	144609	5	.110	2.8	.016	.40
144449	144450	144601	5	.118	3.0	.016	.40
144451	-	-	5	.138	3.5	.016	.40
144453	144454	144462	5	.157	4.0	.024	.60

Item #



## ELECTRIC SCREWDRIVER

CL6500  
Low Voltage DC  
SEE PAGE O1.12



## 5MM PHILLIPS REDUCED SHANK

Point Size	Package Quantity	Overall Length			A mm
		60mm 2.37"	80mm 3.15"	100mm 3.94"	
0	5	144670	144622	144432	2.5
1	5	144444	144605	144415	3.0

Item #

## 5MM PHILLIPS



Point Size	Package Quantity	Overall Length							
		60mm 2.37"	80mm 3.15"	100mm 3.94"	150mm 5.9"	180mm 7.07"	200mm 7.87"	250mm 9.84"	300mm 11.8"
1	5	144433	144600	144476	144603	144483	144484	144485	144604
2	5	144439	144465	144470	144482	144488	144440	144486	144481

Item #



800.456.1828

# Miniature Bits



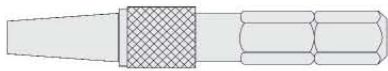
## PHILLIPS

Bit Point	Item #	Screw Size	Package Quantity
000	120084	000	5
00	120075	00	10
0	120061	0, 1	5
1	120062	2, 3, 4	5



## SLOTTED

Blade Width	Item #	Blade Thickness	Package Quantity
.040"	120024	.010"	10
.055"	120063	.010"	10
.070"	120064	.012"	10
.080"	120065	.015"	10
.100"	120066	.015"	10



## 1/4 HEX INSERT PIN CHUCK

Size	Item #	Chuck Dia.	Length in.
1/4 Hex	020248	3/32	1 1/8



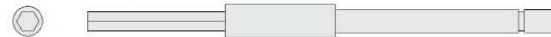
## NUT DRIVERS

Hex Opening	Item #	Socket O.D.	Package Quantity
5/64"	120054	.140	5
3/32"	120055	.170	5
7/64"	120056	.170	5
1/8"	120057	.200	5
5/32"	120058	.230	5

Miniature Hex Bit when compared to the size of a toothpick.



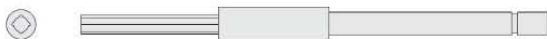
## HEX BITS (Allen Type)



Bit Dia.	Item #	Set Screw#	A*	B*	C*	D*	Package Quantity
.028"	120079	0	-	-	-	-	10
.035"	120080	1, 2	-	-	0	0	10
.050"	120081	3, 4	0	0, 1	1, 2	1, 2	10
1/16"	120082	5, 6	1	2	3, 4	3, 4	10
5/64"	120083	8	2, 3	3, 4	5, 6	5, 6	10

A\* = Socket Head 60 Series  
 B\* = Socket Head 36 Series  
 C\* = Flat Head  
 D\* = Button Head

## MULTIPLE SPLINE BITS



Bit Dia.	Item #	# of Flutes	Set Screw#	A*	C*	D*	Package Quantity
.033"	120071	4	0, 1	-	-	-	1
.048"	120072	4	2, 3	-	-	-	5
.048"	120070	6	2, 3	4	0	0	1
.060"	120073	6	4	0	6	1, 2	5
.069"	120074	4	5	-	-	-	10

A\* = Socket Head 60 Series  
 C\* = Flat Head  
 D\* = Button Head



Miniature Slotted Bit placed into the 1/4" Hex Insert Pin Chuck.

# Power Bits

For use with ALL Drivers

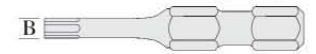
## POZIDRIVE®



Drive Size	1 <sup>15</sup> / <sub>16</sub> " OL		2 <sup>3</sup> / <sub>4</sub> " OL		3" OL		3 <sup>1</sup> / <sub>2</sub> " OL		6" OL		A"
	Item #	PQ*	Item #	PQ*	Item #	PQ*	Item #	PQ*	Item #	PQ*	
1-PZD	120162	10	120335	10	-	-	120599	10	120334	1	3/16
2-PZD	120163	10	120189	10	-	-	120582	10	120359	1	1/4
3-PZD	120164	5	120579	5	120947	5	120207	5	120331	1	1/4

\*OL = Overall Length \*PQ = Package Quantity

## TORXALIGN® WEDGE



Drive Size	Item #	A"	B"	Package Quantity
T-7	120511	.187	.077	1
T-8	120512	.187	.090	1
T-9	120513	.187	.097	1
T-10	120514	.187	.107	1
T-15	120350	.187	.128	1
T-20	120515	.187	.151	1
T-25	120516	.187	.173	1
T-27	120517	.25	.195	1
T-30	120518	.25	.216	1



## BALLPOINT

(hex)



Hex Size	Item #	Cap Screw Size	Set Screw Size	Package Quantity
5/64"	120013	2 - 3	8	10
3/32"	120014	4 - 5	10	10
7/64"	120015	6	-	5
1/8"	120016	-	1/4	5
9/64"	120018	8	-	10
5/32"	120019	10	5/16	10
3/16"	120017	1/4	3/8	10
7/32"	120020	-	7/16	10
1/4"	120021	5/16	1/2	5
5/16"	120011	3/8	5/8	1
3/8"	120869	7/16, 1/2	3/4	1
1/2"	120001	5/8	7/8	1
2mm	120626	M2.5	M4	5
2.5mm	120627	M3	M5	5
3mm	120628	M4	M6	5
4mm	120629	M5	M8	5
5mm	120630	M6	M10	5
6mm	120631	M8	M12	5
8mm	120632	M10	M16	1
10mm	120633	M12	M18 / M20	1
12mm	120635	M14	M22 / M24	1

AMERICAN

METRIC

## TORX®

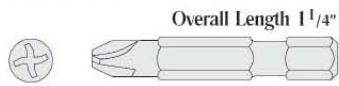


Drive Size	1 <sup>15</sup> / <sub>16</sub> " OL		2 <sup>3</sup> / <sub>4</sub> " OL		3 <sup>1</sup> / <sub>2</sub> " OL		6" OL		A"	B"
	Item #	PQ*	Item #	PQ*	Item #	PQ*	Item #	PQ*		
T-1	126059	1	-	-	-	-	-	-	.098	.033
T-2	126060	1	-	-	-	-	-	-	.098	.037
T-3	126053	1	-	-	-	-	-	-	.098	.044
T-4	126054	1	-	-	-	-	-	-	.098	.051
T-5	121463	1	122017	1	122032	1	-	-	.125	.055
T-6	121469	1	122018	1	120508	5	-	-	.125	.065
T-7	120002	1	120344	1	120341	1	120506	1	.125	.077
T-8	120288	1	120338	1	120794	1	120502	1	.125	.090
T-9	-	-	121026	1	120507	1	120724	1	.125	.097
T-10	120457	1	120190	1	120673	1	120558	1	.156	.107
T-15	120440	5	120358	1	120352	1	120216	1	.156	.128
T-20	120458	5	120330	1	120349	1	120222	1	.187	.151
T-25	120459	5	120332	1	120764	1	120720	1	.187	.173
T-27	120460	5	120948	1	120755	1	120721	1	.25	.195
T-30	120461	1	120751	1	120351	1	120722	1	.25	.216
T-40	120462	1	-	-	-	-	120723	1	.296	.260

\*OL = Overall Length \*PQ = Package Quantity



**TORX-SET®**



Screw Size	Item #	Package Quantity
TS1-2	120553	1
TS1-4	120555	1
TS1-6	121478	1
TS1-8	121477	5

**SLOTTED**

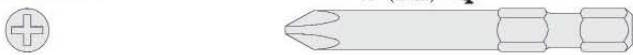


Screw Size	1 <sup>15</sup> / <sub>16</sub> " OL		2 <sup>3</sup> / <sub>4</sub> " OL		3" OL		3 <sup>1</sup> / <sub>2</sub> " OL		4" OL		6" OL		A"	B"
	Item #	PQ*	Item #	PQ*	Item #	PQ*	Item #	PQ*	Item #	PQ*	Item #	PQ*		
1F-2R	120175	10	120730	5	120224	1	120734	5	120475	1	120217	1	.122	.026
2F-3R	120176	10	120223	5	120192	5	120483	5	120485	1	120420	1	.134	.03
3F-4R	120177	10	120405	5	123321	1	120284	5	123319	1	120433	1	.154	.034
4F-5R	120178	10	-	-	-	-	120203	5	120306	5	120290	1	.187	.036
5F-6R	120179	10	120409	5	120195	5	-	-	120304	5	120545	1	.215	.038
6F-7R	120180	10	120406	5	120196	5	120285	5	-	-	120435	1	.25	.04
8F-10R	120181*	10	120731	10	120209	1	120474	5	120581	1	120436	1	.275	.042
10F-12R	120182	10	120732	5	120198	1	120208	5	120946	5	120532	1	.312	.046
12F-14R	120183	5	120733	5	120199	5	120594	5	120608	1	120736	1	.360	.05

OL = Overall Length \*Overall Length 2" \*PQ = Package Quantity



**PHILLIPS**



Point Size	1 <sup>15</sup> / <sub>16</sub> " OL		2 <sup>3</sup> / <sub>4</sub> " OL		3" OL		3 <sup>1</sup> / <sub>2</sub> " OL		4" OL		6" OL	
	Item #	PQ*	Item #	PQ*	Item #	PQ*	Item #	PQ*	Item #	PQ*	Item #	PQ*
0	120005	5	120831	5	-	-	120006	1	-	-	124916	1
1	120159	10	120186	10	-	-	120204	10	120210	10	120214	5
2	120160	10	120187	10	120201	10	120205	10	120211	10	120215	5
3	120161	10	120188	10	120202	10	120206	10	120212	10	120437	5

\*OL = Overall Length \*PQ = Package Quantity

Point Size	Screw Size	Machine Screws				A"
		Flat Oval Binding	Round Fillster	Truss-Brazier Button		
0	0-1	0-1	0-1	0-1	0-1	1/8
1	2-3-4	2-3-4	2-3-4	2-3-4-5	2-3-4-5	3/16
2	5-6-7-8-10	5-6-7-8-10	5-6-7-8-10	6-8-10	6-8-10	1/4
3	12-14	12-14	12-14-15-16	12-14	12-14	1/4

**SOCKET HEAD**  
(allen type)



Hex Size	Item #	Cap Screw Size	Set Screw Size	Package Quantity	
5/64"	120166*	2 - 3	8	1	
3/32"	120167	4 - 5	10	1	
7/64"	120218	6	-	1	
1/8"	120683	-	1/4	1	
9/64"	120170	8	-	5	
5/32"	120171	10	5/16	5	
3/16"	124406	1/4	3/8	5	
1/4"	120174	5/16	1/2	5	
5/16"	129808	5/8	5/8	1	
1.5mm	120777	M1.6 / M2	M3	1	METRIC
2mm	120778	M2.3 / M2.5 / M2.6	M4	1	
2.5mm	120796	M3	M5	1	
3mm	120797	M4	M6	1	
4mm	120848	M5	M8	1	
5mm	120841	M6	M10	1	
6mm	120348	M8	M12	1	
8mm	120849	M10	M16	1	

\*Overall Length 2"



**SS-SERIES  
ELECTRIC SCREWDRIVER**

Low voltage driver  
with "Soft-Stop" clutch.  
SEE PAGE O1.13

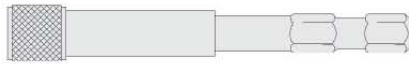
# Bit Holders

For use with ALL Drivers



## SCREW CAP RETAINER (non-magnetic)

Length	Item #	Drive	Diameter	
			Body	Nose
2 7/16"	120258	1/4 Hex	3/8"	7/16"
6"	120311	1/4 Hex	3/8"	7/16"



## SCREW CAP RETAINER (magnetic)

Length	Item #	Drive	Diameter	
			Body	Nose
2 3/8"	120411	1/4 Hex	3/8"	7/16"
2 7/8"	120241	1/4 Hex	3/8"	7/16"
4"	120243	1/4 Hex	3/8"	7/16"
6"	120719	1/4 Hex	3/8"	7/16"



## C-RING RETAINER (magnetic)

Length	Item #	Drive	Body Dia.
2 1/8"	120999	1/4 Hex	3/8"
2 7/8"	120242	1/4 Hex	3/8"
4"	120470	1/4 Hex	3/8"
6"	120471	1/4 Hex	3/8"
11"	120472	1/4 Hex	3/8"



**NARO DRIVER & BIT SET**  
Item #125003



**FLEXIBLE DRIVER AND BIT SET**  
Item #125000

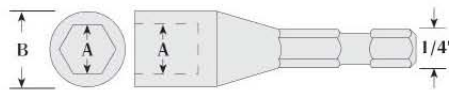


**AUTOLOCK BIT HOLDER 60MM (NON-MAGNETIC)**  
Item #125001

**AUTOLOCK BIT HOLDER 60MM (MAGNETIC)**  
Item #125006

# Nutsetters

For use with ALL Drivers



## MAGNETIC

Hex Size "A"	Item #	Overall Length	Socket Body Diameter "B"
3/16"	128806	2"	5/16"
1/4"	120430	1 5/8"	7/16"
1/4"	120743	2 9/16"	7/16"
1/4"	121037	4"	7/16"
1/4"	120970	6"	7/16"
5/16"	120431	1 5/8"	1/2"
5/16"	120323	2 9/16"	1/2"
5/16"	128810	3"	1/2"
3/8"	126165	1 7/8"	9/16"
3/8"	120256	2 9/16"	9/16"
3/8"	128812	3"	9/16"
7/16"	120746	2 9/16"	5/8"
5mm	128807	2 9/16"	1/4"
6mm	120705	1 5/8"	1/4"
7mm	120709	2 9/16"	7/16"
8mm	120706	1 5/8"	1/2"
10mm	120707	1 7/8"	9/16"

## NON-MAGNETIC

Hex Size "A"	Item #	Overall Length	Socket Body Diameter "B"
3/16"	120007	2"	5/16"
3/16"	120008	3"	5/16"
1/4"	120262	1 5/8"	7/16"
1/4"	120740	2 9/16"	7/16"
1/4"	120808	3"	7/16"
5/16"	120263	1 5/8"	1/2"
5/16"	120747	2 9/16"	1/2"
5/16"	128102	2"	1/2"
5/16"	128103	3"	1/2"
5/16"	120887	4"	1/2"
5/16"	128106	6"	1/2"
11/32"	128112	2"	9/16"
11/32"	128113	3"	9/16"
3/8"	120264	1 7/8"	9/16"
3/8"	128122	2"	9/16"
3/8"	120742	2 9/16"	9/16"
7/16"	120322	2"	21/32"
7/16"	128143	3"	21/32"
7/16"	120592	6"	21/32"
1/2"	120052	2"	3/4"
1/2"	128163	3"	3/4"
4mm	120880	2 9/16"	11/32"
5mm	120840	2 9/16"	11/32"
7mm	120701	2 5/8"	11/32"

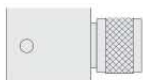
# Adapters & Sockets

For use with ALL Drivers



## SQUARE DRIVE ADAPTER

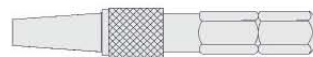
Sq. Drive	Item #	Drive	Overall Length
1/4"	120142	1/4 Hex	1"
1/4"	120225	1/4 Hex	1 3/8"
1/4"	120143	1/4 Hex	2"
1/4"	120144	1/4 Hex	3"
1/4"	122504	1/4 Hex	4"
1/4"	120146	1/4 Hex	6"
1/4"	120147	1/4 Hex	8"
3/8"	120148	1/4 Hex	2"
3/8"	120149	1/4 Hex	3"



## FEMALE TO FEMALE ADAPTER

Sq. Drive	Item #	Drive	Overall Length
1/4"	120260	1/4 F/Hex	1 1/8"
3/8"	120261	1/4 F/Hex	1 15/16"
1/2"	120530	5/16 F/Hex	1 1/2"
1/2"	120634	1/4 F/Hex	1 3/4"

## 1/4" FEMALE SQUARE DRIVE TO 1/4" F/HEX Item # 205640



## 1/4" HEX INSERT PIN CHUCK

Size	Item #	Chuck Dia.	Length
1/4 Hex	020248	3/32"	1 1/8"

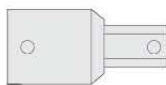


## STANDARD 1/4" SQ. DR. SOCKETS

6pt. American		8pt. American		6pt. Metric	
A/F US	Item #	A/F US	Item #	A/F Metric	Item #
1/8"	230042	-	-	4 mm	230577
5/32"	240037	-	-	4.5 mm	230575
3/16"	230049	-	-	5 mm	230578
7/32"	230050	-	-	5.5 mm	230576
1/4"	230043	1/4"	230560	6 mm	230579
9/32"	230044	-	-	7 mm	230580
5/16"	230045	5/16"	230561	8 mm	230581
11/32"	230046	-	-	9 mm	230582
3/8"	230047	3/8"	230562	10 mm	230583
7/16"	230048	-	-	11 mm	230584
1/2"	230056	-	-	12 mm	230585

## 6 PT. DEEP WALL 1/4" SQ. DR. SOCKETS

A/F US	Item #	A/F Metric	Item #
1/4"	230563	4 mm	230587
9/32"	230564	5 mm	230904
5/16"	230565	6 mm	230905
11/32"	230566	7 mm	230089
3/8"	230567	8 mm	230083
7/16"	230568	9 mm	230906
1/2"	230569	10 mm	230090
		11 mm	230907
		12 mm	230908
		13 mm	230091



## ADAPTER

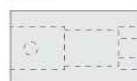
Size, Square Male x Female	Item #
1/4" x 3/8"	230060
3/8" x 1/4"	230061
3/8" x 1/2"	230065
1/2" x 3/8"	230062
1/2" x 3/4"	230063
3/4" x 1/2"	230068
3/4" x 1"	230066
1" x 3/4"	230067



1/4" F/SQ. DR. to 1/4" F/HEX BIT HOLDER 45MM  
Item #125002

American

Metric



Magnetic Power Socket

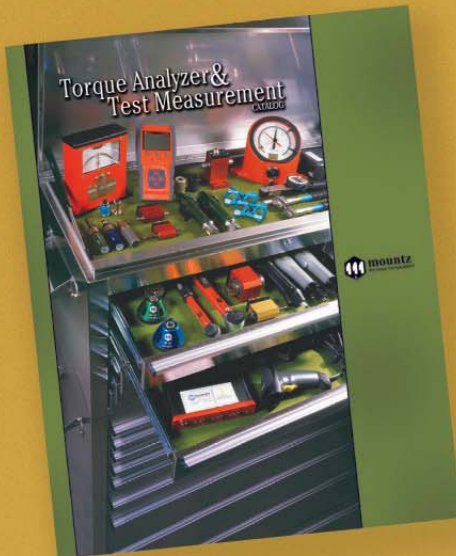
## POWER SOCKETS 1/4" SQ. DR.

Hex Size	Mag. Item #	Standard		Deep Wall		Overall Length
		Non-Mag. Item #	Overall Length	Mag. Item #	Non-Mag. Item #	
3/16"	120249	-	7/8"	-	-	2"
7/32"	-	120342	7/8"	-	120784	2"
1/4"	120250	120270	7/8"	120295	-	2"
9/32"	120251	120271	7/8"	120296	120379	2"
5/16"	120267**	120272	7/8"	-	-	-
11/32"	120253	120259	1"	120310*	120380	2"
3/8"	120254	120274	1"	120294*	120597	2"
7/16"	120255	120275	1"	120299	120598	2"
1/2"	-	120779	1"	-	121218	1.75"
9/16"	-	120763	1"	-	120785	1.75"
3.5mm	-	120900	22.2mm	-	-	-
4mm	120333	121179	22.2mm	-	-	-
4.5mm	-	120955	22.2mm	-	-	-
5mm	120864	121180	22.2mm	-	-	-
5.5mm	120888	120956	22.2mm	-	-	-
6mm	120495	121181	22.2mm	-	-	-
7mm	120497	120499	22.2mm	-	121187	44.4mm
8mm	120931	120957	22.2mm	-	121082	44.4mm
9mm	120958	120959	22.2mm	-	120961	44.4mm
10mm	120498	120960	22.2mm	-	121084	44.4mm

\*1 3/4" Overall Length

\*\*1" Overall Length

ADAPTERS & SOCKETS



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