



# THE BENEFITS OF CURRENT-CONTROLLED SCREWDRIVERS

The PLUTO, MITO & NATO screwdriver family is the most advanced current-controlled tightening solution for torque applications up to 620 lbf-in and as low as 0.2 lbf-in.

Extremely ergonomic, compact and full of functionalities, it is the right tool to boost productivity, resulting in high efficiency and cost reduction.

Our current-controlled system is flexible and provides clear operator feedback.

All PLUTO, MITO & NATO screwdrivers are ESD (electrostatic discharge) approved to guarantee the best quality, no matter the requirement of the surroundings.

## KOLVER's Current-controlled solution means:

- High accuracy, normally better than  $\pm 10\%$ , Cmk always better than 1.66
- Torque & angle control and monitoring
- Ergonomic and lightweight design
- Multiple communication ports

## Benefits of KOLVER's current-controlled tools:

- The best price-to-quality ratio
- Superior product quality
- Direct error detection and error proofing
- Reduction of incorrectly-tightened screws and stripped joints
- Improved process control and reduced setup time
- Industry 4.0 ready



## PLUTO, MITO and NATO | Torque range 0.18 – 620 lbf-in

Our PLUTO, MITO and NATO screwdrivers offer high-precision at a competitive price, with repeatability of +/-5%. Pick the one that best suits your application among the many current-controlled models ranging in torque from 0.18 lbf-in all the way up to 620 lbf-in.

### Extremely versatile

Our PLUTO® Series screwdrivers feature a wide torque range: starting at 4.4 lbf-in with PLUTO3, they reach up to 620 lbf-in with PLUTO70ANG. Also, you can handle up to 8 different joints by connecting your PLUTO screwdriver to one of our EDU2AE/TOP multiprogram control units.

### Precise low-torque screwdrivers

The NATO and MITO series are the ideal solution for high-precision low torques below 13 lbf-in. MITO tools operate within a torque range of 3.5 – 13 lbf-in, while NATO screwdrivers are designed for an even lower torque range of 0.2 – 6.2 lbf-in.

### Long-lasting accuracy

PLUTO, MITO and NATO drivers feature an innovative coreless motor coupled with planetary gearboxes, producing extremely low inertia and minimal friction for long life and very accurate torque production.

### Torque/Angle Control

The main parameters to be controlled are the tightening torque and the rotation angle of the screw, either with torque or angle priority. The screwdriver stops automatically when the pre-set angle and torque value have been reached and an indication of OK cycle (green led turned on) is given, otherwise a red led turns on if the tightened screw doesn't match the pre-set parameters. The final torque and angle values are also displayed.

### Compact ergonomic design

All PLUTO, MITO and NATO screwdrivers feature an ESD-safe housing, either in hand-held option or aluminium body for automation. PLUTO and MITO drivers are available in pistol or inline style, catering to operator preference and comfort. NATO drivers are inline style, with a lever start actuation. Foot pedals are available in cases where the operator would like the convenience of manual operation with the NATO/CA series.

### Available Housings



INLINE (PLUTO D, MITO D & NATO D) – Inline versions available in lever start, current-controlled style. PLUTO D available with reduced front ring upon request.



PISTOL GRIP – Trigger start, pistol grip available with top connector (PLUTO P/U and MITO15P/U) or bottom connector (PLUTO P and MITO15P).



ALUMINIUM BODY (PLUTO CA/SR, MITO CA and NATO CA) – PLUTO with start and reverse buttons. MITO and NATO they can also be used with foot pedals for manual operations. MITO also available with flange mount



ANGLE MODELS (PLUTO .ANG) – Inline models with angle head attached. Current-controlled style. Wrench blade attachments available upon request.





Inline Screwdrivers

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Weight lb	Bit Drive
170015	MITO15D	3.5 - 13.3	450 - 850	8.5 x 1.3	0.8	Hex 1/4"
130203	PLUTO3D	4.4 - 22.1	370 - 1300	8.9 x 1.6	1.1	Hex 1/4"
130206	PLUTO6D	7.5 - 53.1	200 - 850	8.9 x 1.6	1.1	Hex 1/4"
130211/N	PLUTO10D/N	13.3 - 88.5	110 - 600	8.9 x 1.6	1.1	Hex 1/4"
130216/N	PLUTO15D/N	17.7 - 133	60 - 320	8.9 x 1.6	1.3	Hex 1/4"

Pistol grip Screwdrivers

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Weight lb	Connector Option
170014	MITO15P	3.5 - 13.3	450 - 850	7.6 x 6.3 x 1.8	1.1	Bottom connector
170014/U	MITO15P/U	3.5 - 13.3	450 - 850	7.7 x 6.3 x 1.8	1.1	Top connector
130204	PLUTO3P	4.4 - 22.1	370 - 1300	6.3 x 6.9 x 1.8	1.1	Bottom connector
130205	PLUTO3P/U	4.4 - 22.1	370 - 1300	6.4 x 6.9 x 1.8	1.1	Top connector
130207	PLUTO6P	7.5 - 53.1	200 - 850	6.3 x 6.9 x 1.8	1.1	Bottom connector
130207/U	PLUTO6P/U	7.5 - 53.1	200 - 850	6.4 x 6.9 x 1.8	1.1	Top connector
130210/N	PLUTO10P/N	13.3 - 88.5	110 - 600	6.3 x 6.9 x 1.8	1.1	Bottom connector
130210/U/N	PLUTO10P/U/N	13.3 - 88.5	110 - 600	6.4 x 6.9 x 1.8	1.1	Top connector
130215/N	PLUTO15P/N	17.7 - 133	60 - 320	6.3 x 6.9 x 1.8	1.1	Bottom connector
130215/U/N	PLUTO15P/U/N	17.7 - 133	60 - 320	6.4 x 6.9 x 1.8	1.1	Top connector

Aluminium body Screwdrivers

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Weight lb	Bit Drive
170016	MITO15CA	3.5 - 13.3	450 - 850	7.6 x 1.3	0.8	Hex 1/4"
170016/FN	MITO15CA/FN	3.5 - 13.3	450 - 850	10.7 x 1.3	2.9	Hex 1/4"
133221/SR	PLUTO20CA/SR	26.6 - 177	50 - 200	9.1 x 2.1	2.4	Sq 3/8"
133236/SR	PLUTO35CA/SR	26.6 - 310	40 - 140	9.7 x 2.2	3.3	Sq 3/8"
133250/SR	PLUTO50CA/SR	44.3 - 443	20 - 90	9.9 x 2.2	3.3	Sq 1/2"

Angle head PLUTO Screwdrivers

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Bit Drive	Start Option
130203/A	PLUTO3ANG	4.4 - 22	370 - 1300	11.3 x 1.6	Hex 1/4"	Lever start
130206/A	PLUTO6ANG	7.5 - 53	200 - 850	11.3 x 1.6	Hex 1/4"	Lever start
130208	PLUTO8ANG	13.3 - 70.8	110 - 600	11.3 x 1.6	Hex 1/4"	Lever start
130216/A	PLUTO15ANG	17.7 - 115	100 - 320	11.9 x 1.6	Sq 3/8"	Lever start
133220	PLUTO20ANG	26.6 - 159	60 - 200	11.9 x 2.1	Sq 3/8"	Start/Reverse Buttons
133231	PLUTO30ANG	53 - 265	30 - 130	17.1 x 2.1	Sq 3/8"	Start/Reverse Buttons
133245	PLUTO45ANG	39 - 398	20 - 90	17.5 x 2.2	Sq 1/2"	Start/Reverse Buttons
133270	PLUTO70ANG	133 - 620	20 - 50	18 x 2.2	Sq 1/2"	Start/Reverse Buttons

Control units

Code	Model	Single Program	Torque Value in lbf-in	Serial Port	Multitorque (8 P-sets)	USB Port	PC Software	Weight lb	Dimensions in
032000/HPRO	EDU2AE/HPRO	•	•	•	-	-	-	5.3	7.7 x 6.7 x 4.3
032000/TOP/E	EDU2AE/TOP/E	-	•	•	•	•	•	5.5	7.5 x 8.1 x 4.7

See page 21 for a complete list of features.

2D and 3D drawings available on kolver.com

IMPORTANT: Continuous use over 80% of torque range is not recommended.



Inline TA Screwdrivers

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Weight lb	Bit Drive
160015/TA	NATO15D/TA	0.18 - 2.4	100 - 700	8.3 x 1.3	0.5	Half moon 0.16 in
160050/TA	NATO50D/TA	0.4 - 6.2	50 - 700	8.3 x 1.3	0.5	Hex 1/4"
170015/TA	MITO15D/TA	3.5 - 13.3	450 - 850	8.5 x 1.3	0.8	Hex 1/4"
134203/TA	PLUTO3D/TA	4.4 - 22.1	370 - 1300	8.9 x 1.6	1.1	Hex 1/4"
134206/TA	PLUTO6D/TA	7.5 - 53.1	200 - 850	8.9 x 1.6	1.1	Hex 1/4"
134211/TA	PLUTO10D/TA	13.3 - 88.5	110 - 600	8.9 x 1.6	1.1	Hex 1/4"
134216/TA	PLUTO15D/TA	17.7 - 133	60 - 320	8.9 x 1.6	1.1	Hex 1/4"

Models with LED light ring

134203/TA/LED	PLUTO3D/TA/LED	4.4 - 22.1	370 - 1300	8.9 x 1.6	1.1	Hex 1/4"
134206/TA/LED	PLUTO6D/TA/LED	7.5 - 53.1	200 - 850	8.9 x 1.6	1.1	Hex 1/4"
134211/TA/LED	PLUTO10D/TA/LED	13.3 - 88.5	110 - 600	8.9 x 1.6	1.1	Hex 1/4"
134216/TA/LED	PLUTO15D/TA/LED	17.7 - 133	60 - 320	8.9 x 1.6	1.1	Hex 1/4"

Pistol grip TA Screwdrivers

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Weight lb	Connector Option
130204/TA	PLUTO3P/TA	4.4 - 22.1	370 - 1300	6.3 x 6.9 x 1.8	1.1	Bottom connector
130205/TA	PLUTO3P/U/TA	4.4 - 22.1	370 - 1300	6.4 x 6.9 x 1.8	1.1	Top connector
130207/TA	PLUTO6P/TA	7.5 - 53.1	200 - 850	6.3 x 6.9 x 1.8	1.1	Bottom connector
130207/U/TA	PLUTO6P/U/TA	7.5 - 53.1	200 - 850	6.4 x 6.9 x 1.8	1.1	Top connector
130210/TA	PLUTO10P/TA	13.3 - 88.5	110 - 600	6.3 x 6.9 x 1.8	1.1	Bottom connector
130210/U/TA	PLUTO10P/U/TA	13.3 - 88.5	110 - 600	6.4 x 6.9 x 1.8	1.1	Top connector
130215/TA	PLUTO15P/TA	17.7 - 133	60 - 320	6.3 x 6.9 x 1.8	1.3	Bottom connector
130215/U/TA	PLUTO15P/U/TA	17.7 - 133	60 - 320	6.4 x 6.9 x 1.8	1.3	Top connector

Aluminium body TA Screwdrivers

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Weight lb	Bit Drive
163015/TA	NATO15CA/TA	0.18 - 2.4	100 - 700	5.9 x 2.2	0.4	Half moon 0.16 in
163050/TA	NATO50CA/TA	0.4 - 6.2	50 - 700	5.9 x 2.2	0.4	Hex 1/4"
133221/SR/TA	PLUTO20CA/SR/TA	26.6 - 177	50 - 200	9.1 x 2.1	2.4	Sq 3/8"
133236/SR/TA	PLUTO35CA/SR/TA	26.6 - 310	40 - 140	9.7 x 2.2	3.3	Sq 3/8"
133250/SR/TA	PLUTO50CA/SR/TA	44.3 - 443	20 - 90	9.9 x 2.2	3.3	Sq 1/2"

Angle head TA Screwdrivers

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Bit Drive	Start Option
134203/A/TA	PLUTO3ANG/TA	4.4 - 22	370 - 1300	11.9 x 1.6	Hex 1/4"	Lever start
134206/A/TA	PLUTO6ANG/TA	7.5 - 53	200 - 850	11.9 x 1.6	Hex 1/4"	Lever start
134208/TA	PLUTO8ANG/TA	13.3 - 70.8	110 - 600	11.9 x 1.6	Hex 1/4"	Lever start
134216/A/TA	PLUTO15ANG/TA	17.7 - 115	100 - 320	11.9 x 1.6	Sq 3/8"	Lever start

Control units for TA Screwdrivers

Code	Model	NATO TA Series	PLUTO, MITO TA Series	Serial Port	Multitorque (8 P-sets)	Computer Interface	Torque & Angle	Weight lb	Dimensions in
034000/HPRO/TA	EDU2AE/HPRO/TA	-	•	•	-	-	•	5.28	7.7 x 6.7 x 4.3
031000/TOP/NT/TA	EDU2AE/TOP/NT/TA	•	-	•	•	•	•	4.4	7.5 x 8.1 x 4.7
034000/TOP/TA	EDU2AE/TOP/TA	-	•	•	•	•	•	5.1	7.5 x 8.1 x 4.7

See page 21 for a complete list of features.

2D and 3D drawings available on kolver.com

IMPORTANT: Continuous use over 80% of torque range is not recommended.



## EDU2AE Control Units | For PLUTO, MITO and NATO Screwdrivers

EDU2AE control units are meant to be used in combination with Kolver® current controlled PLUTO, MITO and NATO screwdrivers. EDU2AE series switching controllers act as an AC to DC transformer and torque controller. The electronic control circuit cuts the power supply to the motor as soon as the pre-set torque has been reached.

### Universal usage

All units are equipped with a high power switching transformer with 90-260 V AC power supply for universal usage. EDU2AE control units are multilanguage: you can choose among English, Italian, German, French, Portuguese or Spanish.

### Single & Multi-Torque

Choose the control unit that best suits your requirements among our single-torque controllers or multi-torque. Multi-torque control units are designed to expand the functionality of current-controlled screwdrivers by enabling multiple torque settings (up to 8) using one controller and one driver.

### Extremely accurate

Thanks to the latest state-of-the-art advanced software for torque controlling it is now possible to reach the most accurate results with CM / CMK values higher than ever. The combination of the software and switching transformer allows these screwdrivers to reach a +/- 5% precision all over the torque range.

### Better endurance

All units comply to norms 61000-6-2 and 61000-6-3, and therefore have better endurance in environments with high noise and interference levels. Improved EMC features are guaranteed thanks to their solid steel base and back panel.

### Connectivity and Industry 4.0

All functions can be set and controlled via user interface screens or remotely via 15 input and 11 output connectors. A wide range of accessories for remote programming and PC interface is available for the complete EDU2AE series (see page 51). EDU2AE/TOP/E, EDU2AE/TOP/TA and EDU2AE/TOP/NT/TA come standard with the EXPAND software package to set, change and save all parameters via USB key & PC.

### EDU2AE & Screwdriver Series Combination

Control units	Screwdriver models	
<b>EDU2AE/HPRO</b> <b>EDU2AE/TOPE</b>	Hand-held	Automation
	MITO D MITO P PLUTO D, D/N PLUTO P, P/N PLUTO P/U, P/U/N PLUTO CA/SR PLUTO ANG PLUTO ANG/SR	MITO CA MITO CA/FN PLUTO CA PLUTO CA/FN PLUTO CA/FN2
<b>EDU2AE/TOP/TA</b> <b>EDU2AE/HPRO/TA</b>	Hand-held	Automation
	MITO D/TA PLUTO D/TA PLUTO D/TA/LED PLUTO P/TA PLUTO CA/SR/TA	MITO CA/TA PLUTO CA/TA PLUTO CA/FN/TA PLUTO CA/FN2/TA
<b>EDU2AE/TOP/NT/TA</b>	Hand-held	Automation
	NATO D/TA	NATO CA/TA



Features	EDU2AE/HPRO	EDU2AE/TOPE	EDU2AE/HPRO/TA	EDU2AE/TOP/TA	EDU2AE/TOP/NT/TA
<b>Torque &amp; Angle</b>			•	•	•
<b>Multiple Programs and Sequences</b>		•		•	•
<b>Time, Ramp &amp; Speed settings</b>	•	•	•	•	•
<b>Settable loosening speed &amp; torque</b>	•	•	•	•	•
<b>Prevailing torque</b>	•	•	•	•	•
<b>Clockwise/anticlockwise tightening</b>	•	•	•	•	•
<b>Password protection</b>	•	•	•	•	•
<b>Calibration</b>	•	•	•	•	•
<b>Nm - lb/in - Kgf.cm selection</b>	•	•	•	•	•
<b>Screw count</b>	•	•	•	•	•
<b>Auto and pre reverse</b>	•	•	•	•	•
<b>End cycle signal</b>	•	•	•	•	•
<b>Screw, Program &amp; Sequence reset</b>		•		•	•
<b>Lever error</b>	•	•	•	•	•
<b>Enable/Disable loosening</b>		•		•	•
<b>Barcode</b>	•	•	•	•	•
<b>Serial print</b>	•	•	•	•	•
<b>Error, motor on and correct screw signals</b>	•	•	•	•	•
<b>Optional back driver connector</b>			•		
<b>Use with DOCK04 double connector</b>		•		•	•
<b>Use with PRNTR1 serial printer</b>	•	•	•	•	•
<b>Printing options for each program</b>		•		•	•
<b>Use with TLS1</b>	•	•	•	•	•
<b>PC programming (EDU EXPAND)</b>		•		•	•
<b>USB data collection</b>		•		•	•



## Current-controlled Screwdrivers for Automation | Torque range 0.18 – 443 lbf-in

Kolver's CA screwdrivers are designed for automated and fixtured applications. Whether you're working with a robot or adapting your assembly line to Industry 4.0 standards, we have the right solution for automation in all its forms.

### Perfect for automatic machines

Our CA screwdrivers are supplied in an aluminium body for a quick and easy integration with automatic machines and screwfeeding systems. PLUTO and MITO tools in CA/FN version are equipped with a flange mount and reciprocating spindle for high volume/high duty applications.

### Robotic applications

Our CA screwdrivers can be easily interfaced with robots. The controller connects to robots to determine screw speed, torque and time out, and sends a signal to the robot when the screw reaches the specified torque.

### The Torque/Angle Models

Automation requires accurate torque controlling techniques. TA automated systems feature advanced monitoring strategies such as torque and rotation angle of the screw, for precise torque and angle control on all automated operations.

### Plenty of options

PLUTO, MITO and NATO automated torque & angle screwdrivers cover a wide torque range of 0.18-443 lbf-in; choose the tool that best suits your application! You can set 8 independent programs either directly on control unit or remotely.

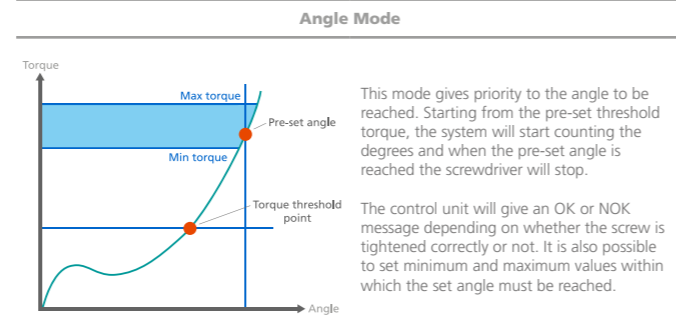
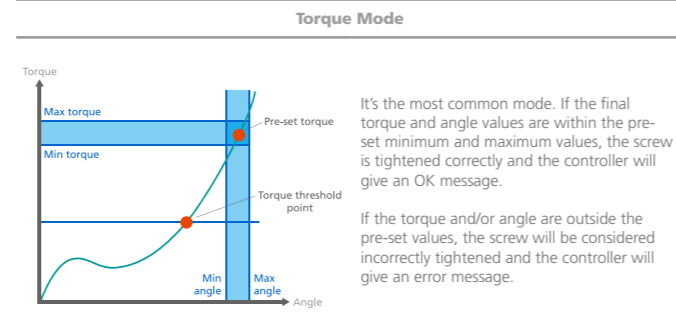
### Industry 4.0

Interconnection, automatic control and continuous monitoring are fundamental aspects of Industry 4.0.

Simply connect the screwdriver controller to your PLC, robot or machine through the proper connectors to manage input/output signals such as start, stop, error and more.

You can also get data reports of the full tightening procedure on advanced control units like EDU2AE/TOP/E, EDU2AE/TOP/TA and EDU2AE/TOP/NT/TA.

### Torque and Angle Functionality



### Aluminium housing Screwdrivers

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Weight lb	Bit Drive
130303	PLUTO3CA	4.4 - 22.1	370 - 1300	6.6 x 1.6	1.1	Hex 1/4"
133206	PLUTO6CA	7.5 - 53.1	200 - 850	6.6 x 1.6	1.1	Hex 1/4"
133211/N	PLUTO10CA/N	13.3 - 88.5	110 - 600	6.6 x 1.6	1.1	Hex 1/4"
133216/N	PLUTO15CA/N	17.7 - 133	60 - 320	6.6 x 1.6	1.1	Hex 1/4"
133221	PLUTO20CA	26.6 - 177	50 - 200	9.1 x 1.9	2.4	Sq 3/8"
133236	PLUTO35CA	26.6 - 310	40 - 140	9.7 x 2.2	3.3	Sq 3/8"
133250	PLUTO50CA	44.3 - 443	20 - 90	9.9 x 2.2	3.3	Sq 1/2"

### Aluminium housing Screwdrivers with flange mount

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Weight lb	Bit Drive
130303/FN2	PLUTO3CA/FN2	4.4 - 22.1	370 - 1300	10.6 x 1.6	1.5	Sq 3/8"
130303/FN2/1-4	PLUTO3CA/FN2/1-4	4.4 - 22.1	370 - 1300	9.7 x 1.6	1.5	Hex 1/4"
133206/FN2	PLUTO6CA/FN2	7.5 - 53.1	200 - 850	10.6 x 1.6	1.5	Sq 3/8"
133206/FN2/1-4	PLUTO6CA/FN2/1-4	7.5 - 53.1	200 - 850	9.7 x 1.6	1.5	Hex 1/4"
133211/FN2	PLUTO10CA/FN2	13.3 - 88.5	110 - 600	10.6 x 1.6	1.5	Sq 3/8"
133211/FN2/1-4	PLUTO10CA/FN2/1-4	13.3 - 88.5	110 - 600	9.7 x 1.6	1.5	Hex 1/4"
133216/FN2	PLUTO15CA/FN2	17.7 - 133	60 - 320	10.6 x 1.6	1.5	Sq 3/8"
133221/FN	PLUTO20CA/FN	26.6 - 177	50 - 200	12.7 x 1.9	2.9	Sq 3/8"
133236/FN	PLUTO35CA/FN	26.6 - 310	40 - 140	13.3 x 2.2	4.3	Sq 3/8"
133250/FN	PLUTO50CA/FN	44.3 - 443	20 - 90	13.8 x 2.2	4.3	Sq 1/2"

### Aluminium housing TA Screwdrivers

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Weight lb	Bit Drive
163015/TA	NATO15CA/TA	0.18 - 2.4	100 - 700	5.9 x 2.2	0.4	Half moon 0.16 in
163050/TA	NATO50CA/TA	0.4 - 6.2	50 - 700	5.9 x 2.2	0.4	Hex 1/4"
170016/TA	MITO15CA/TA	3.5 - 13.3	450 - 850	7.6 x 2.9	0.8	Hex 1/4"
130303/TA	PLUTO3CA/TA	4.4 - 22.1	370 - 1300	6.6 x 1.6	1.1	Hex 1/4"
133206/TA	PLUTO6CA/TA	7.5 - 53.1	200 - 850	6.6 x 1.6	1.1	Hex 1/4"
133211/TA	PLUTO10CA/TA	13.3 - 88.5	110 - 600	6.6 x 1.6	1.1	Hex 1/4"
133216/TA	PLUTO15CA/TA	17.7 - 133	60 - 320	6.6 x 1.6	1.1	Hex 1/4"
133221/TA	PLUTO20CA/TA	26.6 - 177	50 - 200	9.1 x 1.9	1.5	Sq 3/8"
133236/TA	PLUTO35CA/TA	26.6 - 310	40 - 140	9.7 x 2.2	1.5	Sq 3/8"
133250/TA	PLUTO50CA/TA	44.3 - 443	20 - 90	9.9 x 2.2	1.5	Sq 1/2"

### Aluminium housing TA Screwdrivers with flange mount

Code	Model	Torque lbf-in	RPM min-max	Dimensions in	Weight lb	Bit Drive
170016/FN/TA	MITO15CA/FN/TA	3.5 - 13.3	450 - 850	10.7 x 2.9	0.8	Hex 1/4"
130303/FN2/TA	PLUTO3CA/FN2/TA	4.4 - 22.1	370 - 1300	10.6 x 1.6	1.5	Sq 3/8"
130303/FN2/TA/1-4	PLUTO3CA/FN2/TA/1-4	4.4 - 22.1	370 - 1300	9.7 x 1.6	1.5	Hex 1/4"
133206/FN2/TA	PLUTO6CA/FN2/TA	7.5 - 53.1	200 - 850	10.6 x 1.6	1.5	Sq 3/8"
133206/FN2/TA/1-4	PLUTO6CA/FN2/TA/1-4	7.5 - 53.1	200 - 850	9.7 x 1.6	1.5	Hex 1/4"
133211/FN2/TA	PLUTO10CA/FN2/TA	13.3 - 88.5	110 - 600	10.6 x 1.6	1.5	Sq 3/8"
133211/FN2/TA/1-4	PLUTO10CA/FN2/TA/1-4	13.3 - 88.5	110 - 600	9.7 x 1.6	1.5	Hex 1/4"
133216/FN2/TA	PLUTO15CA/FN2/TA	17.7 - 133	60 - 320	10.6 x 1.6	1.5	Sq 3/8"
133221/FN/TA	PLUTO20CA/FN/TA	26.6 - 177	50 - 200	12.7 x 1.9	2.3	Sq 3/8"
133236/FN/TA	PLUTO35CA/FN/TA	26.6 - 310	40 - 140	13.3 x 2.2	4.3	Sq 3/8"
133250/FN/TA	PLUTO50CA/FN/TA	44.3 - 443	20 - 90	13.8 x 2.2	4.3	Sq 1/2"

### Control units

Code	Model	Torque & Angle	Single Program	Multitorque	Serial Port	USB Port	PC Software	Weight lb	Dimensions in
032000/HPRO	EDU2AE/HPRO		•		•			5.3	7.7 x 6.7 x 4.3
032000/TOP/E	EDU2AE/TOP/E			•		•	•	5.5	7.5 x 8.1 x 4.7
034000/HPRO/TA	EDU2AE/HPRO/TA	•	•		•			5.28	7.7 x 6.7 x 4.3
031000/TOP/NT/TA	EDU2AE/TOP/NT/TA	•		•		•	•	4.4	7.5 x 8.1 x 4.7
034000/TOP/TA	EDU2AE/TOP/TA	•		•		•	•	5.5	7.5 x 8.1 x 4.7