

## C A S E R I E S



## CA Screwdrivers

The CA screwdrivers are designed for automated and fixtured applications. Special wiring and dedicated controllers are equipped with electric signals and contacts for immediate and easy interface. The ideal alternative to pneumatic drivers, they feature a long life maintenance free electric motor with a unique electronic torque control system for high accuracy throughout a wide torque range (up to 50 Nm); an aluminium body, for easy and quick clamp, supplied with 2,5 m cable.

The PLUTO..CA/FN2 Series incorporates the PLUTO DC-controlled electric screwdriver design, supplied in an inline aluminium housing for flange mounting applications. The DC motor and solid state controls of the PLUTO are ideal for automated high volume/high duty applications. Flange and telescopic spindle available together or separately. 3D drawings available on [www.kolver.it](http://www.kolver.it)



TELESCOPIC SPINDLE

PLUTO..CA/FN2

Model	Code	Torque Nm	RPM min-max	Dimensions mm	Weight kg	Output	Control unit
NATO15CA	163015	0,01-0,15	350-700	138x20	0,12	Half moon 4mm	EDU2AE/TOP/NT
NATO50CA	163050	0,05-0,50	200-700	150x25	0,18	Hex 1/4"	EDU2AE/TOP/NT
MITO15CA	170016	0,2-1,5	450-850	193x32	0,36	Hex 1/4"	EDU2AE Series
MITO15CA/FN	170016/FN	0,2-1,5	450-850	271x33	1,30	Hex 1/4"	EDU2AE Series
PLUTO3CA	130303	0,5-3,0	370-1300	168x40	0,50	Hex 1/4"	EDU2AE Series
PLUTO3CA/FN2	130303/FN2	0,5-3,0	370-1300	268x40	0,70	Sq 3/8"	EDU2AE Series
PLUTO6CA	133206	0,85-6,0	200-850	168x40	0,50	Hex 1/4"	EDU2AE Series
PLUTO6CA/FN2	133206/FN2	0,85-6,0	200-850	268x40	0,70	Sq 3/8"	EDU2AE Series
PLUTO10CA/N	133211/N	1,5-10,0	110-600	168x40	0,50	Hex 1/4"	EDU2AE Series
PLUTO10CA/FN2	133211/FN2	1,5-10,0	110-600	268x40	0,70	Sq 3/8"	EDU2AE Series
PLUTO15CA/N	133216/N	2,0-15,0	60-320	168x40	0,50	Hex 1/4"	EDU2AE Series
PLUTO15CA/FN2	133216/FN2	2,0-15,0	60-320	268x40	0,70	Sq 3/8"	EDU2AE Series
PLUTO20CA	133221	3,0-20,0	50-200	232x47	1,10	Sq 3/8"	EDU2AE Series
PLUTO20CA/FN	133221/FN	3,0-20,0	50-200	323x47	1,35	Sq 3/8"	EDU2AE Series
PLUTO35CA	133236	3,0-35,0	40-140	247x57	1,50	Sq 3/8"	EDU2AE Series
PLUTO35CA/FN	133236/FN	3,0-35,0	40-140	338x57	1,95	Sq 3/8"	EDU2AE Series
PLUTO50CA	133250	5,0-50,0	20-90	252x57	1,50	Sq 1/2"	EDU2AE Series
PLUTO50CA/FN	133250/FN	5,0-50,0	20-90	351x57	1,95	Sq 1/2"	EDU2AE Series
KBL04FR/CA	190004/CA	0,04-0,4	650-1000	257x40	0,60	Hex 1/4"	EDU1BL/SG
KBL04FR/CA/FN	190004/CA/FN	0,04-0,4	650-1000	330x40	0,65	Hex 1/4"	EDU1BL/SG
KBL15FR/CA	190015/CA	0,4-1,5	650-1000	257x40	0,60	Hex 1/4"	EDU1BL/SG
KBL15FR/CA/FN	190015/CA/FN	0,4-1,5	650-1000	330x40	0,65	Hex 1/4"	EDU1BL/SG
KBL30FR/CA	190030/CA	0,7-3,0	650-1000	264x40	0,75	Hex 1/4"	EDU1BL/SG
KBL30FR/CA/FN	190030/CA/FN	0,7-3,0	650-1000	338x40	0,80	Hex 1/4"	EDU1BL/SG
KBL40FR/CA	190040/CA	0,9-4,0	450-750	264x40	0,75	Hex 1/4"	EDU1BL/SG
KBL40CA/FN	190040/CA/FN	0,9-4,0	450-750	338x40	0,80	Hex 1/4"	EDU1BL/SG

All CA are also available with torque and angle excluding the KBL series. Drawings and manuals available on [www.kolver.it](http://www.kolver.it)



## CA Control Units

All Kolver Current Controlled screwdrivers work in combination with a control unit acting as an AC to DC transformer, and torque controller. Our exclusively designed circuitry monitors the power supply, and cuts power to the driver motor once the pre-set torque has been reached.

For the Pluto CA Series, the EDU 2AE Series controllers give the precise torque control for all automated operations at a fraction of the cost of transducer tools. The whole EDU2AE Series is now totally renovated and fully upgraded with our state-of-the-art advanced software for torque controlling. The main features of the new switching control units are:

- Universal usage: All units are equipped with a high power switching transformer with 90-260 V AC power supply: 100% more power and 40% weight reduction.
- New software: EDU2AE & EDU2AE/HPro have a 2.00 version, all TOP units a 5.00 version installed.
- More accurate than ever: The combination of the switching transformer and new software allows MITO & PLUTO screwdrivers to reach a much higher accuracy, better than +/- 5% all over the torque range.
- Better endurance in environment with high noise and interference level: All units comply to norms 61000-6-2 and 61000-6-3.
- Improved EMC features: All units are equipped with a solid steel base and back panel.
- New Features: Users are able to select a fast approach speed and a final tightening speed to adapt to any type of application. It is also possible to select an endless time of clockwise rotation for any application requiring no max time option.
- Multilanguage: English, Italian, German, French, Portuguese, Spanish.



EDU2AE



EDU2AE/TOP/TA



EDU2AE/TOP/E



EDU1BL/SG

The EDU1BL/SG control unit is designed to work with our KBL Brushless drivers. These KBL drivers feature a maintenance free brushless motor, and the EDU controllers feature state-of-the-art electronics with zero wearing components.

Controllers come standard with:

- Slow start adjustment.
- RPM adjustment (60% to 100% of rated speed).
- Visual indicators (red-green) for power and torque.
- Input: Start and Reverse contacts.
- Output: 24 V DC for torque reached and lever signals.

Kolver also features Multi-Spindle units, including Pluto or Brushless controllers, CA spindles, all custom fixturing, and master PLC.

We invite you to contact us for further information.



MULTI SPINDLE

Model	Code	Features	Dimension mm	Weight kg
EDU2AE	032000	Programmable with user interface screens	195x170x110	2,4
EDU2AE/FR	032000/FR	For PLUTO..FR series. Like EDU2AE + Run time, Integrated screw counter, Additional signals, Serial Port, Optional screwdriver connector on back panel	195x170x110	2,4
EDU2AE/HPro	032000/HPRO	Like EDU2AE + Torque value, Run Time, Additional signals, Serial Port, serial print, integrated screw counter, Optional screwdriver connector on back panel	195x170x110	2,4
EDU2AE/TOP	032000/TOP	8 different programs - selection by barcode, socket tray, switchbox	190x205x120	2,5
EDU2AE/TOP/E	032000/TOP/E	Like EDU2AE/TOP + remote programming via USB & PC (with EDU EXPAND software)	190x205x120	2,5
EDU2AE/TOP/TA	032000/TOP/TA	Programmable Torque & Angle (8 P-Sets) with user interface screens	190x205x120	2,5
EDU1BL/SG	003000/SG	Output signals: torque, error and lever; Input signals: start, stop and reverse. For KBL/S and KBL/CA.	138x118x67	0,6

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