

N A T O S E R I E S

NATO Screwdrivers – Current Control with Torque Only, or Torque and Angle Capability

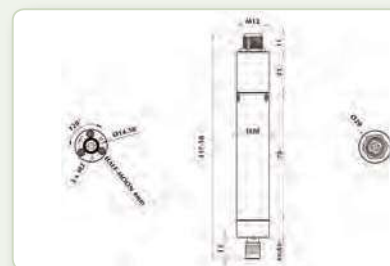
TORQUE UP TO 50 Ncm

Kolver's experience with current control technology has led to the creation of the NATO screwdrivers; the first ultra-low torque, truly accurate current controlled torque driver designed for applications in which torques below 50 Ncm are required, especially in the mobile industry. The NATO features an innovative electric motor coupled with planetary gearboxes, producing extremely low inertia and minimal friction for long life, and very accurate torque production. NATO Series is available with torque only or torque and angle capabilities.

NATO screwdrivers range in torque from 1 to 50 Ncm, and feature an ESD-safe housing and cord set or aluminium body (20mm diameter), for fixture mount applications. Drivers are inline style, with a lever start actuation. NATO systems are available with our 8 P-set programmable controllers for maximum versatility. Foot pedals are available in cases where the operator would like the convenience of manual operation with the NATO/CA series.



NATO for automation with suction head (optional)



EDU2AE/TOP/NT

Features of the NATO and EDU2AE/TOP/NT System:

- An ultra low torque range of 1 - 50 Ncm.
- Speed: ranges from 200–700 RPM.
- DC current controlled low inertia, low voltage iron-less motor.
- The NATO inline driver is also offered as the NATO..CA fixture mount model for automation and robotic use.
- 4 mm half moon chuck on NATO15 and Hex 1/4" on NATO50.
- Up to eight (8) P-sets available.
- 1–99 Screws per program.
- Adjustable torque.
- Adjustable Brake (slow speed) time.
- Adjustable Ramp (slow start) time.
- Adjustable Minimum and Maximum rundown time setting.
- Auto reverse setting with adjustable speed and adjustable torque.
- Prevailing Torque (thread cutting) capability.
- Programmable left or right rotation.
- Unscrew lockout capability.
- Programmable controller calibration.
- Nm, lbf.in or kgf.cm setting.
- Adjustable Minimum and Maximum torque setting.
- Barcode, switchbox and socket tray programming capability.
- Programmable sequencing.
- Six language settings.
- Password protected.
- Suction heads specific for NATOs.

NATO System with Torque only

Model	Code	Torque	RPM min-max	Weight kg	Dimensions mm	Style
NATO15D	160015	1-15 Ncm	350-700	0,20	201x33	Inline
NATO15CA	163015	1-15 Ncm	350-700	0,12	138x20	Aluminium body
NATO50D	160050	5-50 Ncm	200-700	0,26	210x33	Inline
NATO50CA	163050	5-50 Ncm	200-700	0,18	150x25	Aluminium body
EDU2AE/TOP/NT Control unit	031000/TOP/NT	Programmable torque (8 P-sets) with user interface screens		2,00	190x205x120	
EDU2AE/TOP/NT/E Control unit	031000/TOP/NT/E	Like EDU2AE/TOP/NT + remote programming via USB & PC (with EDU EXPAND software)		2,00	190x205x120	

NATO System with Torque and Angle

Model	Code	Torque	RPM min-max	Weight kg	Dimensions mm	Style
NATO15D/TA	160015/TA	1-15 Ncm	350-700	0,20	201x33	Inline
NATO15CA/TA	163015/TA	1-15 Ncm	350-700	0,12	138x20	Aluminium body
NATO50D/TA	160050/TA	5-50 Ncm	200-700	0,26	210x33	Inline
NATO50CA/TA	163050/TA	5-50 Ncm	200-700	0,18	150x25	Aluminium body
EDU2AE/TOP/NT/TA Control unit	031000/TOP/NT/TA	Programmable torque & angle (8 P-sets) with user interface screens		2,00	190x205x120	

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