



Screwdriving technology

Automation

Air motors

Air tools

DEPRAG

**Handheld Screwdriver
electric**

MINIMAT-ED Digital electric screwdriver

Torque ranges between 0.3 - 5 Nm

- **flexible**
- **economical**
- **comfortable**
- **accurate and process reliable**
- **robust**

The flexible, innovative digital electric screwdriver MINIMAT-ED makes versatile screwdriving effortless:

Plug-and-Play!

The handy all-rounder can be adapted, quickly and easily, to fit each new screw assembly requirement.

The innovative MINIMAT-ED screwdriver is especially well suited for workstations with ever-changing tightening parameters. Its use in the controller- and switchboard construction is just as feasible as in an industrial recycling facility, in the mass-production assembly as well as in repair operations.

■ **Flexible**

The required torque can be set directly on the screwdriver by the push of a button.

■ **Economical**

Attractive purchase price and compact size due to the fully integrated controller.

■ **Ergonomic**

- Digital display of the preset torque directly on the screwdriver
- Trigger-start or push-to-start
- The rotational direction can be set by the push of a button and the selected rotation is shown by an animated display
- Integrated quick change chuck for easy bit/socket exchange
- Suspension hanger for balancer hookup
- Low noise level
- Ergonomic design
- Flexible power cable

■ **Precise and reliable**

- Torque precision as is customary with all DEPRAG control screwdrivers
- Password protected against unauthorized changes to the preset parameter
- Good/Bad cycle indication by LED lights red/green
- ESD-safe
- Integrated diagnostics

■ **Robust**

As robust as the well-known DEPRAG-MINIMAT screwdriver series: absolutely reliable and renowned for durability



The flexible, innovative DEPRAG screwdriver MINIMAT-ED makes versatile screw-driving effortless: Plug and Play!

The operator connects the screwdriver to the electricity supply using a highly flexible anti-kink tool cable via a power unit. The operator then presses a button on the screwdriver to choose the torque and required measurement units (Nm or in.lbs).

One look at the digital display on the device is enough – the screwdriving can begin – either by selecting trigger-start or push-to-start.

The ergonomic screwdriver has the high torque accuracy as is standard for the reliable DEPRAG control screwdrivers.

Red and green LED lights immediately display the results of the assembly to the operator.

The product is password protected against unauthorized parameter changes. The integrated diagnostic functions such as motor tests in right and left rotation, tests of the switch function on the electronic clutch and signal monitoring all provide optimum processing assurance. Even the rotational direction can be set at the push of a button and is shown on an animated display directly on the screwdriver. The screwdriver provides every convenience needed for reliable operation.

Additionally the screwdriver also has the well-known DEPRAG standard features.

This includes the body casing which is non-slip and kind to the skin with an ergonomic, angular shape which fits to the hand. A balancer hook is also included. The integrated quick change chuck makes tool changes easy.

The MINIMAT-ED can be used on voltage between 100 and 240 volts and for both left-hand and right-hand threads. The main rotational direction is optional; the screwdriver switches the torque between left and right and uses maximum loosening torque when turning in the opposite direction.

An additional bonus is the guarantee of the ESD feature, for use in the electrical industry.

i It is necessary to use a torque support (e.g. stand, handgrip) for maximum torque: over 4 Nm for straight design and over 10 Nm for pistol grip. Suitable torque supports can be found in our brochure D 3340 E.

TECHNICAL DATA MINIMAT-ED STRAIGHT HANDLE DESIGN, PISTOL GRIP, SIZE 36

Straight handle design, size 36

Screwdriver	Type Part no.	345EG36-0018 400036 I	345EG36-0030 400036 H	345EG36-0050 400036 G
Torque min. (soft pull-up)	Nm / in.lbs	0.3 / 2.65	0.6 / 5.3	1 / 8.85
Torque min. (hard pull-up)	Nm / in.lbs	0.7 / 6.2	0.6 / 5.3	1 / 8.85
Torque max.	Nm / in.lbs	1.8 / 15.9	3 / 26.6	5 / 44.3
Speed	rpm	500	810	500
Diameter	mm / in.	36 / 1.4	36 / 1.4	36 / 1.4
Length	mm / in.	308 / 12	308 / 12	308 / 12
Weight	kg / lbs.	1 / 2.2	1 / 2.2	1 / 2.2
Noise level	dB(A)	60	60	60
Internal hex drive DIN ISO 1173		F6.3 (1/4")	F6.3 (1/4")	F6.3 (1/4")
Suitable inserting tools and connection parts with inserting end DIN ISO 1173		E6.3 (1/4")	E6.3 (1/4")	E6.3 (1/4")

Pistol grip, size 36

Screwdriver	Type Part no.	345EP36-0018 410455 I	345EP36-0030 410455 H	345EP36-0050 410455 G
Torque min. (soft pull-up)	Nm / in.lbs	0.3 / 2.65	0.6 / 5.3	1 / 8.85
Torque min. (hard pull-up)	Nm / in.lbs	0.7 / 6.2	0.6 / 5.3	1 / 8.85
Torque max.	Nm / in.lbs	1.8 / 15.9	3 / 26.6	5 / 44.3
Speed	rpm	500	810	500
Diameter	mm / in.	36 / 1.4	36 / 1.4	36 / 1.4
Length	mm / in.	301 / 11.7	301 / 11.7	301 / 11.7
Weight	kg / lbs.	1.3 / 2.9	1.2 / 2.6	1.2 / 2.6
Noise level	dB(A)	60	60	60
Internal hex drive DIN ISO 1173		F6.3 (1/4")	F6.3 (1/4")	F6.3 (1/4")
Suitable inserting tools and connection parts with inserting end DIN ISO 1173		E6.3 (1/4")	E6.3 (1/4")	E6.3 (1/4")

REQUIRED ACCESSORIES for MINIMAT-ED Screwdriver

Power unit

Power unit (incl. power supply cable KN AST 10-EU and KN AST 10-US)	Part no.	385491 A
Technical Data:		
Wide range input voltage (AC)	V / Hz	100 - 240 / 50/60
Output voltage (DC)	V / Amp	24 / 13
Dimensions (W x H x D)	mm / in.	130/5.1 x 70/2.7 x 277/10.8
Weight	kg / lbs.	2.6 / 5.7



Power unit

Motor cable

Motor cable		straight	with 90° angle connection
	Type	KMO345Ex36-2,5 m	KMO345Ex36-2,5 m-W
Length 2.5 m standard	Part no.	385547 A	385547 E
	Type	KMO345Ex36-5 m	KMO345Ex36-5 m-W
Length 5.0 m	Part no.	385547 B	385547 F
	Type	KMO345Ex36-8 m	KMO345Ex36-8 m-W
Length 8.0 m	Part no.	385547 C	385547 G
	Type	KMO345Ex36-12 m	KMO345Ex36-12 m-W
Length 12.0 m	Part no.	385547 D	385547 H



Motor cable
straight



Motor cable with 90°
angle connection

OPTIONAL EQUIPMENT for MINIMAT-ED Screwdriver

Suitable for MINIMAT-ED Screwdriver		straight handle design	pistol grip
Spring sleeve cpl.	Part no.	364672 A	364672 A
Spring sleeve cpl., with screw suction	Part no.	364672 C	364672 C
Linear stand	Part no.	408010 A	–
Screwdriver adapter (for linear stand / parallelogram stand)	Part no.	400833 S	–
Parallelogram stand	Part no.	406253 A	–
Support ring	Part no.	412892	–
Handle	Part no.	–	410971

For suitable balancer see brochure D 3340.



Spring sleeve
Part no. 364672 A

Power supply cable

	Type	KN AST10-EU
Length 1.8 m / 5.9 ft.	Part no.	385443 A
	Type	KN AST10-US
Length 1.8 m / 5.9 ft.	Part no.	385443 B
	Type	KN AST10-China
Length 2.5 m / 8.2 ft	Part no.	385443 C

Power supply cable KN AST10-EU and KN AST10-US are already included with the power unit.



Power supply cable

DEPRAG

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