

## Electric Screwdrivers equipped with a mechanical shut-off-clutch

Ideal for basic applications in environments without compressed air

- **economical**
- **air independent**

The cost-effective electric screwdriver with mechanical shut-off clutch is a good alternative if no pneumatic connection is available. Our range of handheld electric screwdrivers provides the customer with the familiar quality features of DEPRAG screwdriving systems. This ergonomic screwdriver is available with varying functions such as e.g. push-to-start or lever start.

For all screwdriver types speed regulation is possible.

Seven performance classes cover the application areas for precision engineering screw assemblies up to M6 or 12 Nm. The torque set on the mechanical shut-off clutch has an accuracy of  $\pm 3\%$  standard deviation.

The separate electricity supply of 32 V and 40 V extra-low voltage ensures safe usage.

Our standard program for inserting tools is applicable.



## ADVANTAGES

### Drive

The screwdriver is equipped with a brushless drive motor with low voltage supply. The high degree of efficiency of the EC motor results in a larger torque and speed range in a lower weight and smaller diameter screwdriver.

### Power range

Throughout the four sizes, shut-off torque can be set from 0.04 to 12 Nm. The high speeds of up to 1000 rpm guarantee short screw cycle times.

### ESD capability

All screwdrivers fulfil the requirements for the processing of ESD-sensitive components.

### Precision

Under suitable processing conditions Cmk-values of >1.67 are reached with a tolerance of ±10%.

### Electricity supply

The power units have a wide range of input voltages and can be used worldwide in connection with country-specific power cables.

## TECHNICAL DATA

### Electric Screwdrivers, handheld, straight

Screwdriver reversible Lever-Start	Type Part no.	342EGT-0003 454500A	342EGT-0012 454501A	342EGT-0019 454502A	342EGT-0029 454503A	342EGT-0049 454504A	342EGT-0088 454505A	342EGT-0120 454512A
Screwdriver reversible Push-to-Start	Type Part no.	- -	342EGA-0012 454506A *)	342EGA-0019 454507A *)	342EGA-0029 454508A *)	342EGA-0049 454509A *)	342EGA-0088 454510A	342EGA-0120 454511A
Screws	up to	M2	M3	M4	M4	M5	M6	M6
Torque min.	Nm / in.lbs	0.04 / 0.4	0.15 / 1.3	0.3 / 2.6	1 / 8.85	2 / 17.7	3 / 26.5	4 / 35.4
Torque max.	Nm / in.lbs	0.3 / 2.6	1.2 / 10.6	1.9 / 16.8	2.9 / 25.7	4.9 / 43.4	8.8 / 77.9	12 / 106.2
Speed – reversible	rpm	700/1000	700/1000	700/1000	750/1000	750/1000	600/800	400/550
Handle – diameter	mm / in.	30 / 1.2	36 / 1.4	36 / 1.4	40 / 1.6	40 / 1.6	46 / 1.8	46.5 / 1.81
Length	mm / in.	210 / 8.2	238 / 9.3	238 / 9.3	277 / 10.8	277 / 10.8	310 / 12	310 / 12
Weight	kg / lbs	0.39 / 0.86	0.52 / 1.14	0.52 / 1.14	0.8 / 1.76	0.8 / 1.76	1.2 / 2.64	1.2 / 2.64
Noise level	dB (A)	66	68	68	68	68	68	68
Line voltage	V	32	32	32	40	40	40	40
Quick change chuck								
Hex female DIN ISO 1173		F6.3	F6.3	F6.3	F6.3	F6.3	F6.3	F6.3

Suitable tool inserts and connecting components with a drive as per DIN ISO 1173 – E6.3 (1/4"), see also our brochure D3320E.

\*) Also available in combination with feeder.

### Required Accessories

<b>Screwdriver cable (2m/6.6ft.) standard</b>	Part no.	included in delivery	833783	833783	833783	833783	833783	833783
alternative:								
<b>Screwdriver cable (3m/9.8ft.)</b>	Part no.	-	834034	834034	834034	834034	834034	834034
<b>Screwdriver cable (6m/19.6ft.)</b>	Part no.	-	143359	143359	143359	143359	143359	143359
<b>Spiral cable (2m/6.6ft.)</b>	Part no.	-	834036	834036	834036	834036	834036	834036
<b>Power unit</b>	Type Part no.	<b>NG32-100W</b> 833770	<b>NG32-100W</b> 833770	<b>NG32-100W</b> 833770	<b>NG40-200W</b> 834500	<b>NG40-200W</b> 834500	<b>NG40-360W</b> 146034	<b>NG40-360W</b> 146034
Source (AC)	V/Hz	110-240/50-60	110-240/50-60	110-240/50-60	100-240/50-60	100-240/50-60	100-240/50-60	100-240/50-60
Output (DC)	V	32	32	32	40	40	40	40
Dimensions L x W x H	mm	150x48x130	150x48x130	150x48x130	210x135x70	210x135x70	210x135x70	210x135x70
	in.	5.85x1.87x5.07	5.85x1.87x5.07	5.85x1.87x5.07	8.19x5.26x2.73	8.19x5.26x2.73	8.19x5.26x2.73	8.19x5.26x2.73
Weight	kg / lbs	0.95 / 2.09	0.95 / 2.09	0.95 / 2.09	1.8 / 3.96	1.8 / 3.96	1.8 / 3.96	1.8 / 3.96
<b>Power cable EU</b>	Type Part no.	<b>KN-C5/EU</b> 833787 (1.5m) 816130 (3m)	<b>KN-C5/EU</b> 833787 (1.5m) 816130 (3m)	<b>KN-C5/EU</b> 833787 (1.5m) 816130 (3m)	<b>KN-C13/EU</b> 833790 (2m)	<b>KN-C13/EU</b> 833790 (2m)	<b>KN-C13/EU</b> 833790 (2m)	<b>KN-C13/EU</b> 833790 (2m)
alternative:								
<b>Power cable US</b>	Type Part no.	<b>KN-C5/US</b> 833788 (1.5m)	<b>KN-C5/US</b> 833788 (1.5m)	<b>KN-C5/US</b> 833788 (1.5m)	<b>KN-C13/US</b> 833791 (2m)	<b>KN-C13/US</b> 833791 (2m)	<b>KN-C13/US</b> 833791 (2m)	<b>KN-C13/US</b> 833791 (2m)
<b>Power cable UK</b>	Type Part no.	<b>KN-C5/UK</b> 833789 (1.5m)	<b>KN-C5/UK</b> 833789 (1.5m)	<b>KN-C5/UK</b> 833789 (1.5m)	<b>KN-C13/UK</b> 833792 (2m)	<b>KN-C13/UK</b> 833792 (2m)	<b>KN-C13/UK</b> 833792 (2m)	<b>KN-C13/UK</b> 833792 (2m)
<b>Power cable Brazil</b>	Type Part no.	<b>KN-C5/BR</b> 105624 (1.8m)	<b>KN-C5/BR</b> 105624 (1.8m)	<b>KN-C5/BR</b> 105624 (1.8m)	<b>KN-C13/BR</b> 207388 (1.8m)	<b>KN-C13/BR</b> 207388 (1.8m)	<b>KN-C13/BR</b> 207388 (1.8m)	<b>KN-C13/BR</b> 207388 (1.8m)
<b>Power cable China</b>	Type Part no.	<b>KN-C5/CN</b> 105622 (1.8m)	<b>KN-C5/CN</b> 105622 (1.8m)	<b>KN-C5/CN</b> 105622 (1.8m)	<b>KN-C13/CN</b> 832927(2.5m)	<b>KN-C13/CN</b> 832927(2.5m)	<b>KN-C13/CN</b> 832927(2.5m)	<b>KN-C13/CN</b> 832927(2.5m)

## OPTIONAL EQUIPMENT

Suitable for Type		342EGT-0003	342EGT-0012	342EGT-0019	342EGT-0029	342EGT-0049	342EGT-0088	342EGT-0120
		-	342EGA-0012	342EGA-0019	342EGA-0029	342EGA-0049	342EGA-0088	342EGA-0120
<b>Pistol grip</b> (for use as pistol grip screwdriver)	<b>Type</b>	-	<b>PG2-EGT</b>	<b>PG2EGT</b>	<b>PG3-EGT</b>	<b>PG3-EGT</b>	-	-
	<b>Part no.</b>	-	816054	816054	8337941	8337941	-	-
	<b>Type</b>	-	<b>PG2-EGA</b>	<b>PG2-EGA</b>	<b>PG3-EGA</b>	<b>PG3-EGA</b>	-	-
	<b>Part no.</b>	-	816053	816053	833794	833794	-	-
<b>Screwdriver adaptor with sleeve</b> (for torque support with linear stand or parallelogram stand)	<b>Part no.</b>	4008330E	4008330B	4008330B	4008330C	4008330C	4008330D	4008330D
<b>Screwdriver adaptor without sleeve</b> (in conjunction with mouthpiece guide or vacuum connection)	<b>Part no.</b>	4008330H	4008330F	4008330F	4008330G	4008330G	-	-
<b>Handle</b>	<b>Type</b>	-	-	-	-	-	<b>HG4-EGA/EGT</b>	<b>HG4-EGA/EGT</b>
	<b>Part no.</b>	-	-	-	-	-	8337942	8337942
<b>Slow-Start Module without process monitoring</b> (connection between power unit and screwdriver)	<b>Type</b>	<b>SL</b>	<b>SL</b>	<b>SL</b>	<b>SL</b>	<b>SL</b>	<b>SL</b>	<b>SL</b>
	<b>Part no.</b>	103305	103305	103305	103305	103305	103305	103305
<b>Slow-Start Module with process monitoring</b> (connection between power unit and screwdriver)	<b>Type</b>	<b>PK</b>	<b>PK</b>	<b>PK</b>	<b>PK</b>	<b>PK</b>	<b>PK</b>	<b>PK</b>
	<b>Part no.</b>	816699	816699	816699	816699	816699	816699	816699
Note: screwdriver cable 146336 is included in delivery of the slow-start module.								
<b>Protective sleeve - metal design</b> (as an alternative to the plastic adjust-able protection included in delivery)	<b>Type</b>	<b>HS1-1</b>	<b>HS2-1</b>	<b>HS2-1</b>	<b>HS3-1</b>	<b>HS3-1</b>	-	-
	<b>Part no.</b>	421322	419336	419336	419447	419447	-	-
<b>Torque setting tool</b> (to set the torque without disassembling the protective sleeve)	<b>Type</b>	<b>WK1</b>	<b>WK2</b>	<b>WK2</b>	<b>WK3</b>	<b>WK3</b>	-	-
	<b>Part no.</b>	834133	834134	834134	834135	834135	-	-
<b>Vacuum connector</b>	<b>Part no.</b>	104750A	418477A	418477A	418446A	418446A	-	-
<b>Mouthpiece guide</b> (in conjunction with feeder)	<b>Part no.</b>	425395C	425395B	425395B	425395A	425395A	-	-
Bit length	mm/in.	152/5.93	152/5.93	152/5.93	152/5.93	152/5.93	-	-
Max. stroke	mm/in.	45/1.75	55/2.15	55/2.15	60/2.34	60/2.34	-	-
Max. length of sleeve	mm/in.	33/1.29	36/1.4	36/1.4	40/1.56	40/1.56	-	-

 <p><b>Power unit NG32</b></p> <p><b>Power unit NG40</b></p>	 <p><b>Screwdriver adaptor</b> for torque support with linear stand or parallelogram stand.</p>	<p><b>Slow-Start Module</b></p> <ul style="list-style-type: none"> <li>→ enables a screwdriving step with low speed before screwdriving to torque</li> <li>→ soft start to ensure proper bit engagement</li> <li>→ duration and speed of the steps can be adjusted</li> <li>→ signals for „direction of rotation“, “shut-off” and “external start release”</li> <li>→ the module type PK can be used in conjunction with a PLC to control the process</li> </ul> 
<p>With <b>pistol grip PG2-/3-..</b> the electric screwdriver (straight version) can also be used as pistol grip screwdriver.</p> 	 <p><b>Handle Type HG4-EGA/EGT</b> can be optionally used with screwdriver type 342EGT/EGA-0088.</p>	<p><b>Torque setting tool</b></p> <ul style="list-style-type: none"> <li>→ for torque setting without disassembly of the protective sleeve</li> <li>→ when frequent changes of the shut-off torque are necessary.</li> </ul> 

### Remark:

Details on our feeding systems can be found in brochure D3820E.



For the Netherlands

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**DEPRAG**

CERTIFIED AS PER DIN EN ISO 9001

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