

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 | Type | 342EGT-0003 | 342EGT-0012 | 342EGT-0019 | 342EGT-0029 | 342EGT-0049 | 342EGT-0088 | 342EGT-0120 |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Lever-Start | Part no. | 454500A | 454501A | 454502A | 454503A | 454504A | 454505A | 454512A |
| Screwdriver reversible | Type | - | 342EGA-0012 | 342EGA-0019 | 342EGA-0029 | 342EGA-0049 | 342EGA-0088 | 342EGA-0120 |
| Push-to-Start | Part no. | - | 454506A *) | 454507A *) | 454508A *) | 454509A *) | 454510A | 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

| Screwdriver cable (2m) | Type | included in delivery | KS3-2m | KS3-2m | KS3-2m | KS3-2m | KS3-2m | KS3-2m |
|------------------------|----------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Part no. | | 833783 | 833783 | 833783 | 833783 | 833783 | 833783 |
| Power unit | Type | NG32 | NG32 | NG32 | NG40 | NG40 | NG40 | NG40 |
| | Part no. | 833770 | 833770 | 833770 | 834500 | 834500 | 834500 | 834500 |
| 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 |
| Power cable EU | Type | KN-C5/EU | KN-C5/EU | KN-C5/EU | KN-C13/EU | KN-C13/EU | KN-C13/EU | KN-C13/EU |
| | Part no. | 833787 (1.5m) | 833787 (1.5m) | 833787 (1.5m) | 833790 (2m) | 833790 (2m) | 833790 (2m) | 833790 (2m) |
| alternative: | | | | | | | | |
| Power cable US | Type | KN-C5/US | KN-C5/US | KN-C5/US | KN-C13/US | KN-C13/US | KN-C13/US | KN-C13/US |
| | Part no. | 833788 (1.5m) | 833788 (1.5m) | 833788 (1.5m) | 833791 (2m) | 833791 (2m) | 833791 (2m) | 833791 (2m) |
| Power cable UK | Type | KN-C5/UK | KN-C5/UK | KN-C5/UK | KN-C13/UK | KN-C13/UK | KN-C13/UK | KN-C13/UK |
| | Part no. | 833789 (1.5m) | 833789 (1.5m) | 833789 (1.5m) | 833792 (2m) | 833792 (2m) | 833792 (2m) | 833792 (2m) |
| Power cable Brazil | Type | KN-C5/BR | KN-C5/BR | KN-C5/BR | KN-C13/BR | KN-C13/BR | KN-C13/BR | KN-C13/BR |
| | Part no. | 105624 (1.8m) | 105624 (1.8m) | 105624 (1.8m) | 207388 (1.8m) | 207388 (1.8m) | 207388 (1.8m) | 207388 (1.8m) |
| Power cable China | Type | KN-C5/CN | KN-C5/CN | KN-C5/CN | KN-C13/CN | KN-C13/CN | KN-C13/CN | KN-C13/CN |
| | Part no. | 105622 (1.8m) | 105622 (1.8m) | 105622 (1.8m) | 832927(2.5m) | 832927(2.5m) | 832927(2.5m) | 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 |
| Pistol grip (for use as pistol grip screwdriver) | Type | - | PG2-EGT | PG2EGT | PG3-EGT | PG3-EGT | - | - |
| | Part no. | - | 816054 | 816054 | 8337941 | 8337941 | - | - |
| | Type | - | PG2-EGA | PG2-EGA | PG3-EGA | PG3-EGA | - | - |
| | Part no. | - | 816053 | 816053 | 833794 | 833794 | - | - |
| Screwdriver adaptor with sleeve (for torque support with linear stand or parallelogram stand) | Part no. | 4008330E | 4008330B | 4008330B | 4008330C | 4008330C | 4008330D | 4008330D |
| Screwdriver adaptor without sleeve (in conjunction with mouthpiece guide or vacuum connection) | Part no. | - | 4008330F | 4008330F | 4008330G | 4008330G | - | - |
| Handle | Type | - | - | - | - | - | HG4-EGA/EGT | HG4-EGA/EGT |
| | Part no. | - | - | - | - | - | 8337942 | 8337942 |
| Slow-Start Module without process monitoring (connection between power unit and screwdriver) | Type | SL | SL | SL | SL | SL | SL | SL |
| | Part no. | 103305 | 103305 | 103305 | 103305 | 103305 | 103305 | 103305 |
| Slow-Start Module with process monitoring (connection between power unit and screwdriver) | Type | PK | PK | PK | PK | PK | PK | PK |
| | Part no. | 816699 | 816699 | 816699 | 816699 | 816699 | 816699 | 816699 |
| Protective sleeve - metal design (as an alternative to the plastic adjust-able protection included in delivery) | Type | HS1-1 | HS2-1 | HS2-1 | HS3-1 | HS3-1 | - | - |
| | Part no. | 421322 | 419336 | 419336 | 419447 | 419447 | - | - |
| Torque setting tool (to set the torque without disassembling the protective sleeve) | Type | WK1 | WK2 | WK2 | WK3 | WK3 | - | - |
| | Part no. | 834133 | 834134 | 834134 | 834135 | 834135 | - | - |
| Screwdriver cable, additional options: | | | | | | | | |
| Straight cable, length 3 m / 9.8 ft. | Part no. | - | 834034 | 834034 | 834034 | 834034 | 834034 | 834034 |
| Spiral cable, length 2 m / 6.6 ft. | Part no. | - | 834036 | 834036 | 834036 | 834036 | 834036 | 834036 |
| Vacuum connector | Part no. | 104750A | 418477A | 418477A | 418446A | 418446A | - | - |
| Mouthpiece guide (in conjunction with feeder) | Part no. | - | 425395B | 425395B | 425395A | 425395A | - | - |
| Bit length | mm/in. | | 152/5.93 | 152/5.93 | 152/5.93 | 152/5.93 | | |
| Max. stroke | mm/in. | | 55/2.15 | 55/2.15 | 60/2.34 | 60/2.34 | | |
| Max. length of sleeve | mm/in. | | 36/1.4 | 36/1.4 | 40/1.56 | 40/1.56 | | |

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

Remark:

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

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