



## GA Series

Torque range : 0,08 to 1,18 Nm • Auto shut-off • CE •

**Main Benefits**

- Designed for operator comfort: light weight and small size, full ergonomic design
- Designed for productivity: Accurate shut-off clutch (+/- 3%), speed control, maintenance free (shut-off operated by magnetic sensor - no wearing)
- Designed for quality: ESD free, External torque adjustment scale, soft start, double hit mode.

| Model        | Torque range (Nm) | Rotation speed (rpm) | Drive size    | Starting system | Weight (kg) | Noise level (dBA) | Vibrations Level (ms/ac2) | Code     |
|--------------|-------------------|----------------------|---------------|-----------------|-------------|-------------------|---------------------------|----------|
| GA-150 ESD   | 0,08 - 0,78       | 700 - 1000           | Fem. Hex 1/4" | Lever           | 0,31        | <70               | <2,5                      | 10400911 |
| GA-180 ESD   | 0,1 - 1,18        | 450 - 700            | Fem. Hex 1/4" | Lever           | 0,31        | <70               | <2,5                      | 10400912 |
| GA-150 P ESD | 0,08 - 0,78       | 700 - 1000           | Fem. Hex 1/4" | Push-to-start   | 0,31        | <70               | <2,5                      | 10400913 |
| GA-180 P ESD | 0,1 - 1,18        | 450 - 700            | Fem. Hex 1/4" | Push-to-start   | 0,31        | <70               | <2,5                      | 10400914 |

**Standard equipment (supplied with the tool)**

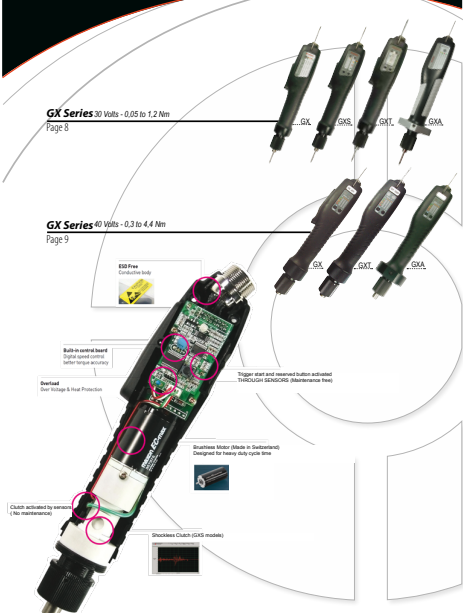
- Power supply cable 3 m
- 2 carbon brushes
- 2 bits Philips n° 0, n° 1
- Clutch adjustment springs
- Suspension ring
- User manual

**Accessories & Wear spare parts**

| Designation | Carbon brush | Brush cap | Torque ring cover Black | Ring for arm mounting | Extra long cable 5 m | Spiral cable 5 m | Screw vacuum Pick-up |
|-------------|--------------|-----------|-------------------------|-----------------------|----------------------|------------------|----------------------|
| Code        | 1041219      | 1041203   | 1041214                 | 1041500               | 1041215              | 1041216          | 1041214              |



## BRUSHLESS Electric screwdrivers



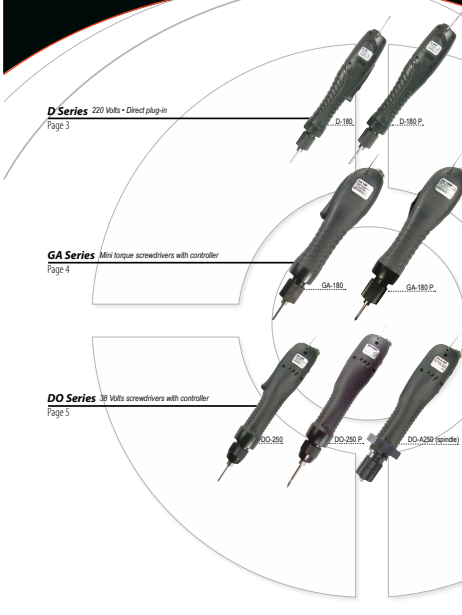
**GX Series 30 Volts - 0,05 to 1,2 Nm**

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**GX Series 40 Volts - 0,3 to 4,4 Nm**

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## LOW VOLTAGE Electric screwdrivers



**D Series** 220 Volts • Direct plug-in

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**GA Series** Mini torque screwdrivers with controller

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**DO Series** 3V Volts screwdrivers with controller

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## DO Series

Torque range : 0,2 to 4,41 Nm • Auto shut-off • CE •

**Main Benefits**

- Designed for operator comfort: light weight and small size, full ergonomic design
- Designed for productivity: Robust and durable - Suitable with high production rate, Accurate shut-off clutch (+/- 3%), speed control, maintenance free (shut-off operated by magnetic sensor - no wearing)
- Designed for quality: ESD free, External torque adjustment scale

**DO Series**

| Model        | Torque range (Nm) | Rotation speed (rpm) | Drive size    | Starting system | Weight (kg) | Noise level (dBA) | Vibrations Level (ms/ac2) | Code     |
|--------------|-------------------|----------------------|---------------|-----------------|-------------|-------------------|---------------------------|----------|
| DO-250 ESD   | 0,2 - 2,45        | 630 - 1050           | Fem. Hex 1/4" | Lever           | 0,72        | <70               | <2,5                      | 10400506 |
| DO-300 ESD   | 0,2 - 3,43        | 480 - 750            | Fem. Hex 1/4" | Lever           | 0,72        | <70               | <2,5                      | 10400507 |
| DO-450 ESD   | 0,3 - 4,41        | 330 - 550            | Fem. Hex 1/4" | Lever           | 0,72        | <70               | <2,5                      | 10400508 |
| DO-250 P ESD | 0,2 - 2,45        | 630 - 1050           | Fem. Hex 1/4" | Push-to-Start   | 0,72        | <70               | <2,5                      | 10400440 |
| DO-300 P ESD | 0,2 - 3,43        | 480 - 750            | Fem. Hex 1/4" | Push-to-Start   | 0,72        | <70               | <2,5                      | 10400441 |
| DO-450 P ESD | 0,3 - 4,41        | 330 - 550            | Fem. Hex 1/4" | Push-to-Start   | 0,72        | <70               | <2,5                      | 10400442 |
| DO-A350 ESD  | 0,2 - 2,45        | 630 - 1050           | Fem. Hex 1/4" | Remote Start    | 0,82        | <70               | <2,5                      | 10400503 |
| DO-A350 ESD  | 0,2 - 3,43        | 480 - 750            | Fem. Hex 1/4" | Remote Start    | 0,82        | <70               | <2,5                      | 10400502 |
| DO-A450 ESD  | 0,3 - 4,41        | 330 - 550            | Fem. Hex 1/4" | Remote Start    | 0,82        | <70               | <2,5                      | 10400501 |

**Standard equipment (supplied with the tool)**

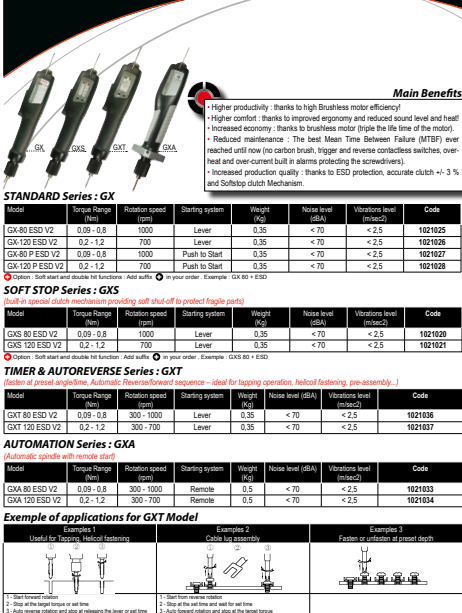
- Power supply cable 3 m
- 2 carbon brushes
- 2 bits Philips n° 0, n° 1
- Clutch adjustment springs
- Suspension ring
- User manual

**Accessories & Wear spare parts**

| Designation | Carbon brush | Brush cap | Torque ring cover Black | Ring for arm mounting | Extra long cable 5 m | Spiral cable 5 m | Pistol Grip Kit |
|-------------|--------------|-----------|-------------------------|-----------------------|----------------------|------------------|-----------------|
| Code        | 1041220      | 1041203   | 1041211                 | 1041502               | 1041215              | 1041216          | 1010412         |



## GX Series 30 Volts • Torque range : 0,08 to 1,2 Nm • Auto-shut off • CE •



**Main Benefits**

- Higher productivity: thanks to high Brushless motor efficiency
- Higher comfort: thanks to improved ergonomics and reduced sound level and heat
- Increased economy: thanks to brushless motor (triple the life time of the motor)
- Reduced maintenance: The best Mean Time Between Failure (MTBF) ever reached until now (no carbon brush, trigger and reverse contactless switches, over heat and over current built in alarms protecting the screwdrivers)
- Increased production quality: thanks to ESD protection, accurate clutch +/- 3% and Softstop clutch Mechanism.

**STANDARD SERIES : GX**

| Model           | Torque Range (Nm) | Rotation speed (rpm) | Starting system | Weight (kg) | Noise level (dBA) | Vibrations level (ms/ac2) | Code    |
|-----------------|-------------------|----------------------|-----------------|-------------|-------------------|---------------------------|---------|
| GX-80 ESD V2    | 0,09 - 0,8        | 1000                 | Lever           | 0,35        | <70               | <2,5                      | 1021025 |
| GX-120 ESD V2   | 0,2 - 1,2         | 700                  | Lever           | 0,35        | <70               | <2,5                      | 1021026 |
| GX-80 P ESD V2  | 0,09 - 0,8        | 1000                 | Push to Start   | 0,35        | <70               | <2,5                      | 1021027 |
| GX-120 P ESD V2 | 0,2 - 1,2         | 700                  | Push to Start   | 0,35        | <70               | <2,5                      | 1021028 |

**SOFT STOP SERIES : GX-S**

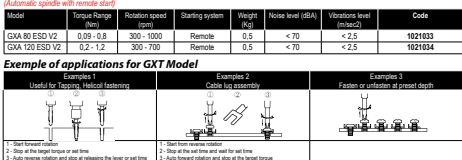
| Model           | Torque Range (Nm) | Rotation speed (rpm) | Starting system | Weight (kg) | Noise level (dBA) | Vibrations level (ms/ac2) | Code    |
|-----------------|-------------------|----------------------|-----------------|-------------|-------------------|---------------------------|---------|
| GX-S 80 ESD V2  | 0,09 - 0,8        | 1000                 | Lever           | 0,35        | <70               | <2,5                      | 1021020 |
| GX-S 120 ESD V2 | 0,2 - 1,2         | 700                  | Lever           | 0,35        | <70               | <2,5                      | 1021021 |

**TIMER & AUTOREVERSE SERIES : GTX**

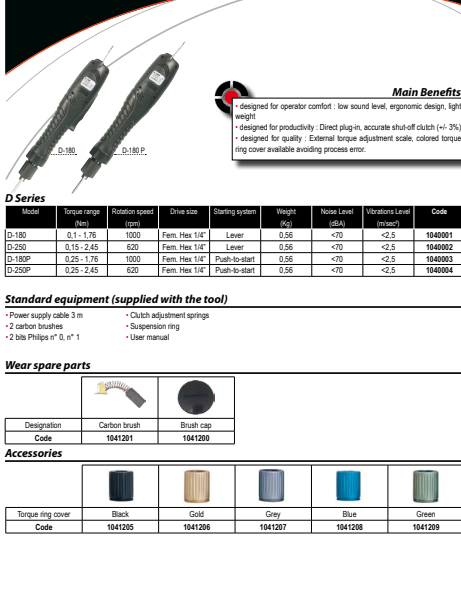
| Model          | Torque Range (Nm) | Rotation speed (rpm) | Starting system | Weight (kg) | Noise level (dBA) | Vibrations level (ms/ac2) | Code    |
|----------------|-------------------|----------------------|-----------------|-------------|-------------------|---------------------------|---------|
| GTX 80 ESD V2  | 0,09 - 0,8        | 300 - 1000           | Lever           | 0,35        | <70               | <2,5                      | 1021036 |
| GTX 120 ESD V2 | 0,2 - 1,2         | 300 - 700            | Lever           | 0,35        | <70               | <2,5                      | 1021037 |

**AUTOMATION SERIES : GXA**

| Model          | Torque Range (Nm) | Rotation speed (rpm) | Starting system | Weight (kg) | Noise level (dBA) | Vibrations level (ms/ac2) | Code    |
|----------------|-------------------|----------------------|-----------------|-------------|-------------------|---------------------------|---------|
| GXA 80 ESD V2  | 0,09 - 0,8        | 300 - 1000           | Remote          | 0,5         | <70               | <2,5                      | 1021033 |
| GXA 120 ESD V2 | 0,2 - 1,2         | 300 - 700            | Remote          | 0,5         | <70               | <2,5                      | 1021034 |



## D Series 220 Volts • Direct plug-in • Torque range : 0,1 to 2,45 Nm • Auto shut-off • CE



**Main Benefits**

- Designed for operator comfort: low sound level, ergonomic design, light weight
- Designed for productivity: Direct plug-in, accurate shut-off clutch (+/- 3%)
- Designed for quality: External torque adjustment scale, colored torque ring cover available swaging process only.

**D Series**

| Model  | Torque range (Nm) | Rotation speed (rpm) | Drive size    | Starting system | Weight (kg) | Noise level (dBA) | Vibrations Level (ms/ac2) | Code     |
|--------|-------------------|----------------------|---------------|-----------------|-------------|-------------------|---------------------------|----------|
| D-180  | 0,1 - 1,76        | 1000                 | Fem. Hex 1/4" | Lever           | 0,56        | <70               | <2,5                      | 10400901 |
| D-250  | 0,15 - 2,65       | 820                  | Fem. Hex 1/4" | Lever           | 0,56        | <70               | <2,5                      | 10400902 |
| D-180P | 0,25 - 1,76       | 1000                 | Fem. Hex 1/4" | Push-to-start   | 0,56        | <70               | <2,5                      | 10400903 |
| D-250P | 0,25 - 2,45       | 820                  | Fem. Hex 1/4" | Push-to-start   | 0,56        | <70               | <2,5                      | 10400904 |

**Standard equipment (supplied with the tool)**

- Power supply cable 3 m
- 2 carbon brushes
- 2 bits Philips n° 0, n° 1
- Clutch adjustment springs
- Suspension ring
- User manual

**Wear spare parts**

| Designation | Carbon brush | Brush cap |
|-------------|--------------|-----------|
| Code        | 1041201      | 1041208   |

**Accessories**

| Torque ring cover | Black   | Gold    | Grey    | Blue    | Green   |
|-------------------|---------|---------|---------|---------|---------|
| Code              | 1041205 | 1041206 | 1041207 | 1041208 | 1041209 |

## Controllers



**Main Benefits**

- High productivity: Thanks to the unique SMPS technology (switching modulation), the connected screwdriver always delivers constant rotation speed and fastening force even for demanding fastening process (self tapping, tightening, soft part...)
- Comfort: Light weight and compact
- Quality: Built-in Over heat and Over Current protection prevent the screwdriver from damage or bad use
- Economy: Maintenance free
- Quality: Easy monitoring of your fasteners thanks to torque reached signal output, start and stop signal outputs, selectable softstart, Double hit mode for soft joint. Screwdriver lock signal input for PLC (prevents screwdrivers activation until PLC input signal - on XS-300 FA only)

**Controllers**

| Model       | Power (W) | Output voltage low (V) | Output voltage high (V) | Rated output (A) | Max. output (A) | Weight (kg) | Size (mm) | For screwdrivers | Code     |
|-------------|-----------|------------------------|-------------------------|------------------|-----------------|-------------|-----------|------------------|----------|
| XT-300      | 220       | 20                     | 30                      | 1,2              | 2               | 0,33        | 70x30x40  | GA Series        | 10400902 |
| XS-300 V4.3 | 220       | 30                     | 38                      | 2,5              | 5               | 0,7         | 90x50x55  | DO Series        | 10400963 |
| XS-300 FA   | 220       | 30                     | 38                      | 2,5              | 5               | 0,7         | 90x50x55  | DO-A Series      | 10400967 |



## PLC interface for XS-300

**Model U-3**

- Weight: 75g
- Size: 75(W) x 61(D) x 20(mm)
- Type of signals:
  - open collector by optocoupler (reversed)
  - relay contact N.C.
  - Relay contact N/D

| Interface | U-3 (for NC protocol) |
|-----------|-----------------------|
| Code      | 1041217               |

**Model U-3B**

- Weight: 75g
- Size: 75(W) x 61(D) x 20(mm)
- Type of signals:
  - open collector by optocoupler (reversed)
  - open collector by optocoupler (reversed)
  - relay contact N.C.
  - Relay contact N/D

| Interface | U-3B (for NO protocol) |
|-----------|------------------------|
| Code      | 1041250                |

## GX Series 40 Volts • Torque range : 0,28 to 4,4 Nm • Auto-shut off • CE •



**Main Benefits**

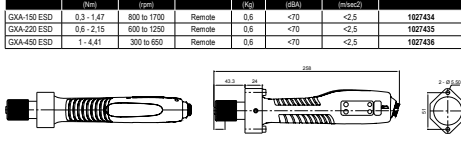
- Higher productivity: thanks to high Brushless motor efficiency
- Higher comfort: thanks to improved ergonomics and reduced sound level and heat
- Increased economy: thanks to brushless motor (triple the life time of the motor)
- Reduced maintenance: The best Mean Time Between Failure (MTBF) ever reached until now (no carbon brush, trigger and reverse contactless switches, over heat and over current built in alarms protecting the screwdrivers)
- Increased production quality: thanks to ESD protection, accurate clutch +/- 3% and Softstop clutch Mechanism.

**STANDARD SERIES : GX**

| Model        | Torque Range (Nm) | Rotation speed (rpm) | Starting system | Weight (kg) | Noise level (dBA) | Vibrations level (ms/ac2) | Code    |
|--------------|-------------------|----------------------|-----------------|-------------|-------------------|---------------------------|---------|
| GX-150 ESD   | 0,3 - 1,47        | 800 to 1700          | Lever           | 0,52        | <70               | <2,5                      | 1027422 |
| GX-220 ESD   | 0,6 - 2,15        | 600 to 1250          | Lever           | 0,52        | <70               | <2,5                      | 1027423 |
| GX-450 ESD   | 1 - 4,41          | 300 to 650           | Lever           | 0,52        | <70               | <2,5                      | 1027424 |
| GX-150 P ESD | 0,3 - 1,47        | 800 to 1700          | Push to Start   | 0,52        | <70               | <2,5                      | 1027425 |
| GX-220 P ESD | 0,6 - 2,15        | 600 to 1250          | Push to Start   | 0,52        | <70               | <2,5                      | 1027426 |
| GX-450 P ESD | 1 - 4,41          | 300 to 650           | Push to Start   | 0,52        | <70               | <2,5                      | 1027427 |

**TIMER & AUTOREVERSE SERIES : GTX**

| Model       | Torque Range (Nm) | Rotation speed (rpm) | Starting system | Weight (kg) | Noise level (dBA) | Vibrations level (ms/ac2) | Code    |
|-------------|-------------------|----------------------|-----------------|-------------|-------------------|---------------------------|---------|
| GTX 150 ESD | 0,3 - 1,47        | 800 to 1700          | Lever           | 0,52        | <70               | <2,5                      | 1027304 |
| GTX 220 ESD | 0,6 - 2,15        | 600 to 1250          | Lever           | 0,52        | <70               | <2,5                      | 1027305 |
| GTX 450 ESD | 1 - 4,41          | 300 to 650           | Lever           | 0,52        | <70               | <2,5                      | 1027306 |



# Controller

**SMP5 Technology Inside!**



XS-40D

### Main Benefits

- High productivity : Thanks to the unique SMP5 technology (switching modulation), the connected screwdriver always delivers constant rotation speed and fastening force even for demanding fastening process (self-sapping tightening, soft part...)
- Comfort : Light and compact
- Durability : Built-in Over heat and Over Current protection prevent the screwdriver from damage or bad use.
- Economy : Maintenance free.
- Quality : Easy monitoring of your fastenings thanks to torque reached signal cut put, start and stop outputs, selectable softstart, Double-hit mode for soft joint, Screwdriver lock signal input for PLC (prevents screwdrivers activation until PLC input signal - on XS-38 D only).

### Controller

| Model  | Power (AC)<br>(V) | Output voltage low<br>(V) | Output voltage high<br>(V) | Rated output<br>(A) | Weight<br>(Kg) | Size<br>(mm) | For screwdrivers | Code    |
|--------|-------------------|---------------------------|----------------------------|---------------------|----------------|--------------|------------------|---------|
| XS-40D | 220               | 30                        | 40                         | 3                   | 0,85           | 90x150x55    | GX Series        | 1040065 |

### SCOUT Poka yoke controller (Suitable with XS-38D, XS-38D FA, XS-40D\*)

**prevents screw fastening errors!  
Supervised process!**



Set until 7 tightening programs

- Tightening monitoring :**
- Switches cross threading, omissions, double tightening, unfinished run-down.
  - Screws counting, OK/NG fastening OK/NG cycle.
  - Buzzer Alert, displays error conditions.
- Sequence management :**
- Parts detection, parts OK/NG sorting through PLC.
  - Storage of several tightening settings with the parameter mode.

| Model      | Key features   | Inputs features   | Outputs features  | Code    |
|------------|--|---|---|---------|
| SCOUT V2.1 | <ul style="list-style-type: none"> <li>&gt; Password protection</li> <li>&gt; Display of total fastened screw number</li> <li>&gt; Display of remaining screw number</li> <li>&gt; Built in fastening time measurement function</li> <li>&gt; Alarm mode = several buzzers</li> <li>&gt; Easy programming by scroll menu and self learning mode</li> <li>&gt; Well measurable</li> </ul> | <ul style="list-style-type: none"> <li>&gt; Cycle start</li> <li>&gt; Driver lock/unlock</li> </ul> | <ul style="list-style-type: none"> <li>&gt; OK</li> <li>&gt; NG</li> <li>&gt; Buzzer alarm</li> <li>&gt; Cycle end</li> </ul> | 1040066 |

### Example

\* SCOUT V2.1 requires USB interface (see page 11) to be connected on XS-40D controller

