



# GX Series

30 Volts • Auto-shut off • XS-40D (FA) Controller



0,02 to 1,2 NM



VACCU System (Optional)

- Higher productivity : thanks to high Brushless motor efficiency !
- Higher comfort : thanks to improved ergonomoy 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 and Softstop clutch Mechanism.
- Noise level : <70 dBA, vibration level : <2,5 m/s<sup>2</sup>

## Micro Torque GX Series *(features SOFT STOP clutch and Digital speed setting)*

| Model      | Torque Range (Nm) | Speed rotation (rpm) | Starting system | Drive                     | Weight (Kg) | Code      |
|------------|-------------------|----------------------|-----------------|---------------------------|-------------|-----------|
| GX 035 ESD | 0,02 - 0,34       | 300 to 1100          | Lever           | Half moon/shank drive 4mm | 0,24        | 4-1040077 |
| GX 045 ESD | 0,04 - 0,45       | 300 to 700           | Lever           | Half moon/shank drive 4mm | 0,24        | 4-1040078 |

Suitable controller : XS-40D - To be ordered seprately - See page 17

## STANDARD Series : GX with digital speed and soft start

| Model           | Torque Range (Nm) | Speed rotation (rpm) | Starting system | Drive    | Weight (Kg) | Code      |
|-----------------|-------------------|----------------------|-----------------|----------|-------------|-----------|
| GX 80 ESD V2    | 0,09 - 0,8        | 450 to 1000          | Lever           | Hex 1/4" | 0,43        | 4-1021025 |
| GX 120 ESD V2   | 0,2 - 1,2         | 300 to 700           | Lever           | Hex 1/4" | 0,43        | 4-1021026 |
| GX 80 P ESD V2  | 0,09 - 0,8        | 450 to 1000          | Push to start   | Hex 1/4" | 0,43        | 4-1021027 |
| GX 120 P ESD V2 | 0,2 - 1,2         | 300 to 700           | Push to start   | Hex 1/4" | 0,43        | 4-1021028 |

Suitable controller : XS-40D - To be ordered seprately - See page 17

## SOFT STOP Series : GXS *(built-in special clutch mechanism providing soft shut-off to protect fragile parts)*

| Model          | Torque Range (Nm) | Speed rotation (rpm) | Starting system | Drive    | Weight (Kg) | Code      |
|----------------|-------------------|----------------------|-----------------|----------|-------------|-----------|
| GXS 80 ESD V2  | 0,09 - 0,8        | 450 to 1000          | Lever           | Hex 1/4" | 0,43        | 4-1021020 |
| GXS 120 ESD V2 | 0,2 - 1,2         | 300 to 700           | Lever           | Hex 1/4" | 0,43        | 4-1021021 |

Suitable controller : XS-40D - To be ordered seprately - See page 17

## TIMER & AUTOREVERSE Series : GXT *(fasten at preset angle/time, Automatic Reverse/forward, stop sequence - ideal for tapping operation, helicoil fastening, pre-assembly...)*

| Model          | Torque Range (Nm) | Speed rotation (rpm) | Starting system | Drive    | Weight (Kg) | Code      |
|----------------|-------------------|----------------------|-----------------|----------|-------------|-----------|
| GXT 80 ESD V2  | 0,09 - 0,8        | 450 to 1000          | Lever           | Hex 1/4" | 0,43        | 4-1021036 |
| GXT 120 ESD V2 | 0,2 - 1,2         | 300 to 700           | Lever           | Hex 1/4" | 0,43        | 4-1021037 |

Suitable controller : XS-40D - To be ordered seprately - See page 17

## FIXTURED SPINDLES Series : GX4 *(for automation choose XS-40D FA controller - Code 4-1040080)*

| Model      | Torque Range (Nm) | Speed rotation (rpm) | Starting system | Drive                     | Weight (Kg) | Code      |
|------------|-------------------|----------------------|-----------------|---------------------------|-------------|-----------|
| GXA 035 V2 | 0,03 - 0,35       | 300 to 1100          | Remote          | Half moon/shank drive 4mm | 0,45        | 4-1040079 |
| GXA 045 V2 | 0,04 - 0,45       | 300 to 700           | Remote          | Half moon/shank drive 4mm | 0,45        | 4-1040076 |
| GXA 080 V2 | 0,1 - 0,8         | 450 to 1000          | Remote          | Hex 1/4"                  | 0,45        | 4-1040074 |
| GXA 120 V2 | 0,2 - 1,2         | 300 to 700           | Remote          | Hex 1/4"                  | 0,45        | 4-1040075 |

\* The whole models of this series are delivered with one tool cable (3m) + sample powerbits.



# Accessories

For GX/GX-G/GX-H Series

## Screw vacuum pick up



| For GX/GXA                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | For SD/SDA                                                                                                                                                                                                                 | Vacuum system                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| GX30 Volts V2 with torque ring access <b>4-1084103</b><br>GX30 Volts V2 without torque ring access <b>4-1084104</b><br>GX150/220 ESD-G40 Volts <b>4-1084100</b><br>GX450 ESD-G40 Volts <b>4-1084101</b><br>GXA ESD-G40 Volts <b>4-1084102</b><br>GXA ESD-G30 Volts <b>4-1000039</b><br>GX Micro <b>4-1052501</b><br>GX 150/220-H <b>4-1027496</b><br>GX 450-H <b>4-1027497</b><br>GXA-H <b>4-1027498</b><br>Vacuum pick up are delivered without the sleeve gun (on request). | SD18N/28N + SDA600/1000/18N/28N <b>4-1052502</b><br>SDA120/200/300 <b>4-1052503</b><br>SD05N/09N + SDA05N/09N4- <b>1052504</b><br>SD600/1500 <b>4-1052505</b><br>SD1000 <b>4-1052506</b><br>SD120/200/300 <b>4-1052507</b> | Vacuum pump DLP2570 <b>4-3004101</b><br> |

## Accessories

|             |                                                                                                                                                                               |                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Designation | Torque ring cover*                                                                                                                                                                                                                                             |                                                                                                                                                                  | Square 1/4"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Code        | <b>4-1041213</b> GX 30 Volts<br><b>4-1041205</b> GX 40 Volts<br><b>4-1078800</b> GX-G 40 Volts<br><b>4-1027495</b> GX-H 40 Volts<br><b>4-1090021</b> GX035-045<br><b>4-1000233</b> GX...BT, GY, PGY,<br>GX...BT-G, GY-G, PGY-G<br><b>4-1077500</b> for GX...FS | Spiral cable 3,5 m <b>4-1010413</b><br>Standard cable 3,0 m <b>4-1041225</b><br>Standard cable 5,0 m <b>4-1044703</b><br>Reinforced cable 3,0 m <b>4-1090010</b> | Angle head kit for GX30 Volts <b>4-1000226</b> (except Micro GX)<br>Angle head kit for GX150/220 ESD-G 40 Volts <b>4-1000302</b><br>Angle head kit for GX450 ESD-G 40 Volts <b>4-1000229</b><br>Angle head kit for GX40 Volts <b>4-1090020</b><br>Angle head kit for GX150/220-H <b>4-1000018</b><br>Angle head kit for GX450-H <b>4-1000088</b><br>E 6,3 Hex. female 1/4" drive (quick release)<br>Angle head kit for GY-G <b>4-1033300</b><br>Angle head kit for GX_BT <b>4-1033301</b><br>C 6,3 Hex. female 1/4" drive<br>Angle head kit for GX30 Volts <b>4-1000247</b> (except Micro GX)<br>Angle head kit for GX40 Volts <b>4-1000249</b><br>Angle head kit for GX150/220 ESD-G 40 Volts <b>4-1000254</b><br>Angle head kit for GX450 ESD-G 40 Volts <b>4-1000255</b><br>Angle head kit for GX150/220-H <b>4-1000041</b><br>Angle head kit for GX450-H <b>4-1000113</b><br>Mounting of Angle head <b>4-1000257</b> |
| Designation | Programming Lock key**                                                                                                                                                                                                                                         | Programming Lock key firmware upgrade**                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Code        | <b>4-1044850</b>                                                                                                                                                                                                                                               | <b>4-1000222</b>                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

\*Not suitable with vacuum pickup.

\*\* Available only for standard series GX 30 & 40 Volts - To be ordered together.

|                                                                                     |                                                                                     |                                                                                                                                               | Model                                                                               | Designation                               | Code                                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                                                            |  | For mounting on reaction arm from the top | <b>4-1045804</b> for GX 30 Volts*<br><b>4-1045801</b> for GX/GX-G/GX-H 40 Volts<br><b>4-1045803</b> for GX...BT<br><b>4-1045800</b> for GY/HD 35 Volts<br><b>4-1045802</b> for HD 40 Volts<br><b>4-1045805</b> for GX...FS |
| Holster<br><b>4-1588700</b>                                                         | Cable 5m (GY-PGY) <b>4-1078888</b><br>Cable 3m (GY-PGY) <b>4-1090157</b>            | Pistol grip for 40 Volts<br><b>4-1000231</b> for GX 30 Volts<br>(except for Micro GX and GX-FS)<br><b>4-1010420</b> for GX/GX-G/GX-H 40 Volts |  | For mounting on reaction arm from below   | <b>4-1041501</b> for GX 30 Volts*                                                                                                                                                                                          |

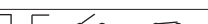
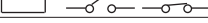
## PLC Interface

\* Except GX Micro

|                                                                                     |
|-------------------------------------------------------------------------------------|
|  |
| PLC interface U-3B                                                                  |
| Code <b>4-1041520</b>                                                               |

- Model U-3B
- Weight : 75g
- Size : 75(W) x 61(D) x 20(H)mm
- Type of signals :
  - open collector by optocoupler (reversed)
  - relay contact N.C
  - Relay contact N.O

Converted signals by U-3B converter from XS-40D

| N° | Wire Color    | Signal              | XS-40D                                                                                | Interface converter                                                                   |
|----|---------------|---------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1  | ORANGE        | Spare               |                                                                                       |                                                                                       |
| 2  | ORANGE STRIPE | Torque Up           |  |  |
| 3  | BLUE          | Motor Run           |  |  |
| 4  | BLUE STRIPE   | Common for 2&3 wire |                                                                                       |                                                                                       |
| 5  | GREEN         | Driver Lock         |  |  |
| 6  | GREEN STRIPE  |                     |                                                                                       |                                                                                       |
| 7  | BROWN         | No use              |                                                                                       |                                                                                       |
| 8  | BROWN STRIPE  | Spare               |                                                                                       |                                                                                       |

# Controllers

**SMPS Technology Inside!**



XS-40D

- 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 joint....).
- 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 output, start and stop signal outputs, selectable softstart, Screwdriver lock signal input for PLC (prevents screwdrivers activation until PLC input signal).

| Model     | Power (AC)<br>(V) | Output voltage<br>low (V) | Output voltage<br>high (V) | Rated output<br>(A) | Weight<br>(Kg) | Size (mm) | For screwdrivers<br>30 and 40 Volts | Code      |
|-----------|-------------------|---------------------------|----------------------------|---------------------|----------------|-----------|-------------------------------------|-----------|
| XS-40D    | 220               | 30                        | 40                         | 3                   | 0,86           | 90x150x55 | GX, GX-G,<br>GX...FS/GX-H Series    | 4-1040065 |
| XS-40D FA | 220               | 30                        | 40                         | 3                   | 0,86           | 90x150x55 | GXA, GXA-G<br>GXA-H Series          | 4-1040080 |

**SMPS Technology Inside!**



XS-38D

XT-30D

- 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 joint....)
- Comfort : Light weight 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 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).

| Model        | Power (AC)<br>(V) | Output voltage<br>low (V) | Output voltage<br>high (V) | Rated output<br>(A) | Max. output<br>(A) | Weight<br>(Kg) | Size<br>(mm) | For<br>screwdrivers    | Code      |
|--------------|-------------------|---------------------------|----------------------------|---------------------|--------------------|----------------|--------------|------------------------|-----------|
| XT-30D-V2    | 220               | 20                        | 30                         | 1,2                 | 2                  | 0,33           | 70x130x40    | GA Series              | 4-1099550 |
| XS-38D V4.3* | 220               | 30<br>20                  | 38<br>30                   | 2,5                 | 5                  | 0,7            | 90x150x55    | DO Series<br>GA Series | 4-1040063 |