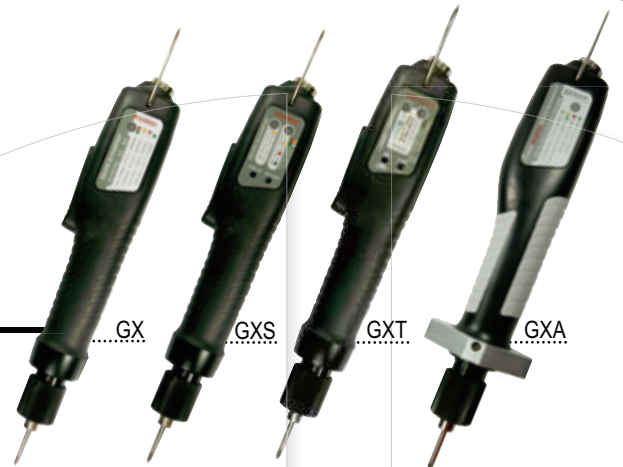


BRUSHLESS

Electric screwdrivers

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

Page 8



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

Page 9



ESD Free
Conductive body

Built-in control board
Digital speed control
better torque accuracy

Overload
Over Voltage & Heat Protection

Brushless Motor (Made in Switzerland)
Designed for heavy duty cycle time

Trigger start and reserved button activated THROUGH SENSORS (Maintenance free)

Clutch activated by sensors (No maintenance)

Shockless Clutch (GXS models)

maxon EC-max

GX Series

30 Volts • Torque range : 0,09 to 1,2 Nm • Auto-shut off • CE • 




Main Benefits

- 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 +/- 3 % and Softstop clutch Mechanism.

STANDARD Series : GX


Model	Torque Range (Nm)	Rotation speed (rpm)	Starting system	Weight (Kg)	Noise level (dBA)	Vibrations level (m/sec ²)	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

+ Option : Soft start and double hit functions : Add suffix  in your order . Exemple : GX 80 + ESD

SOFT STOP Series : GXS

(built-in special clutch mechanism providing soft shut-off to protect fragile parts)

Model	Torque Range (Nm)	Rotation speed (rpm)	Starting system	Weight (Kg)	Noise level (dBA)	Vibrations level (m/sec ²)	Code
GXS 80 ESD V2	0,09 - 0,8	1000	Lever	0,35	< 70	< 2,5	1021020
GXS 120 ESD V2	0,2 - 1,2	700	Lever	0,35	< 70	< 2,5	1021021

+ Option : Soft start and double hit function : Add suffix  in your order . Exemple : GXS 80 + ESD

TIMER & AUTOREVERSE Series : GXT

(fasten at preset angle/time, Automatic Reverse/forward sequence – ideal for tapping operation, helicoil fastening, pre-assembly...)

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

AUTOMATION Series : GXA


(Automatic spindle with remote start)

Model	Torque Range (Nm)	Rotation speed (rpm)	Starting system	Weight (Kg)	Noise level (dBA)	Vibrations level (m/sec ²)	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

Example of applications for GXT Model

Examples 1 Useful for Tapping, Helicoil fastening	Examples 2 Cable lug assembly	Examples 3 Fasten or unfasten at preset depth
1 - Start forward rotation 2 - Stop at the target torque or set time 3 - Auto reverse rotation and stop at releasing the lever or set time	1 - Start from reverse rotation 2 - Stop at the set time and wait for set time 3 - Auto forward rotation and stop at the target torque	

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 ergonomy 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 (m/sec ²)	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

Option : Soft start and double hit functions : Add suffix  in your order . Exemple : GX 80 + ESD

TIMER & AUTOREVERSE Series : GXT

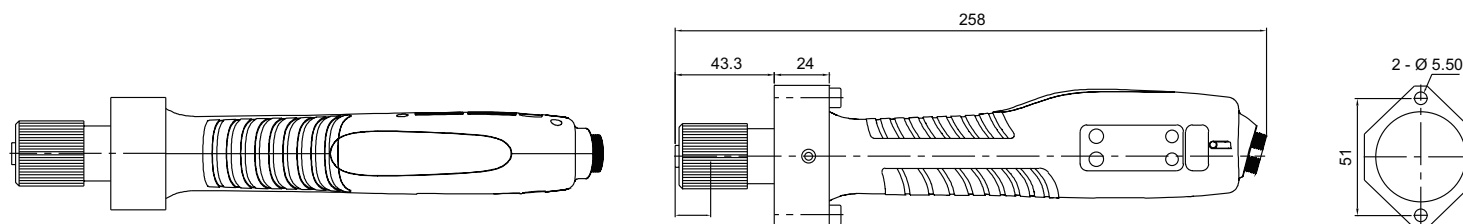
(fasten at preset angle/time, Automatic Reverse/forward sequence – ideal for tapping operation, helicoil fastening, pre-assembly...)

Model	Torque Range (Nm)	Rotation speed (rpm)	Starting system	Weight (Kg)	Noise level (dBA)	Vibrations level (m/sec ²)	Code
GXT-150 ESD	0,3 - 1,47	800 to 1700	Lever	0,52	<70	<2,5	1075304
GXT-220 ESD	0,6 - 2,15	600 to 1250	Lever	0,52	<70	<2,5	1075305
GXT-450 ESD	1 - 4,41	300 to 650	Lever	0,52	<70	<2,5	1075306

AUTOMATION Series : GXA

(Automatic spindle with remote start)

Model	Torque Range (Nm)	Rotation speed (rpm)	Starting system	Weight (Kg)	Noise level (dBA)	Vibrations level (m/sec ²)	Code
GXA-150 ESD	0,3 - 1,47	800 to 1700	Remote	0,6	<70	<2,5	1027434
GXA-220 ESD	0,6 - 2,15	600 to 1250	Remote	0,6	<70	<2,5	1027435
GXA-450 ESD	1 - 4,41	300 to 650	Remote	0,6	<70	<2,5	1027436



Controller

SMPS Technology Inside!



XS-40D

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 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, 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) (V)	Output voltage low (V)	Output voltage high (V)	Rated output (A)	Weight (Kg)	Size (mm)	For screwdrivers	Code
XS-40D	220	30	40	3	0,86	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 programmes

Tightening monitoring :

- Detects cross threading, omissions, double tightening, unfinished rundown.
- Screws counting, OK-NG fastening, OK-NG cycle.
- Buzzer Alert, displays error conditions.

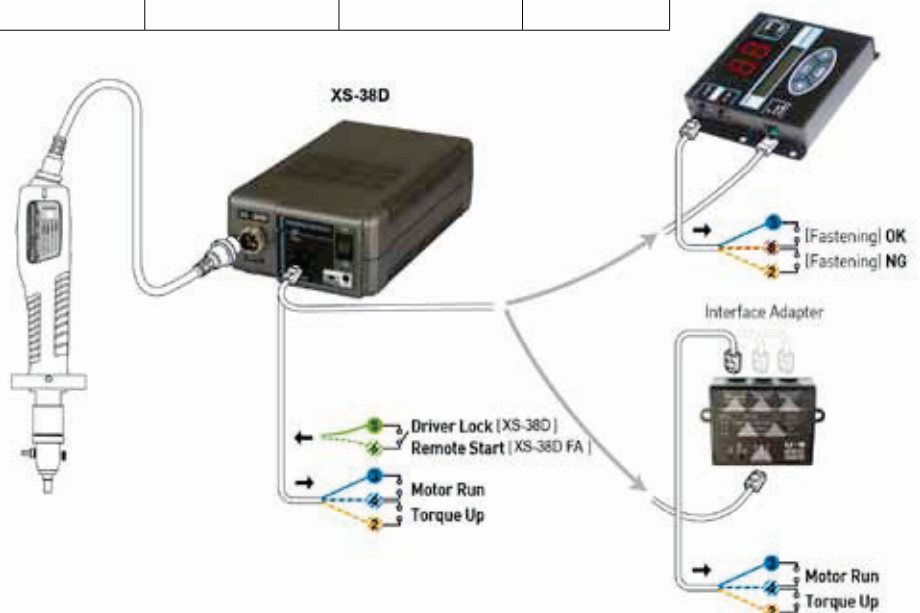
Sequence management :

- 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"> > Password protection > Display of total fastened screw number > Display of remaining screw number > Built-in fastening time measurement function > Alarms: leds + several buzzers > Easy programming by scroll menu and self learning mode > Wall mountable 	<ul style="list-style-type: none"> > Cycle start > Driver lock/unlock 	<ul style="list-style-type: none"> > OK > NG > Buzzer alarm > Cycle end 	1040066

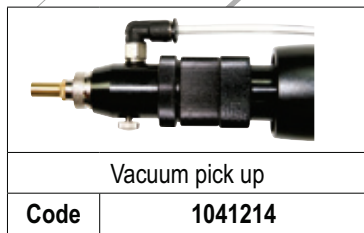
Example

* SCOUT V2.1 requires U3B interface (see page 11) to be connected on XS-40D controller



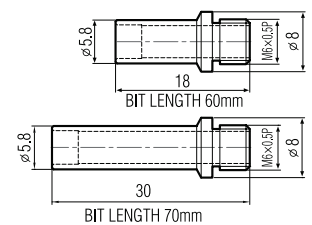
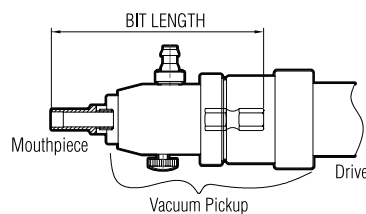
Accessories *For GX Series*

Screw Vacuum Pickups (for GX - 30 Volts only)



Vacuum pick up assembly is provided without the sleeve (on request).

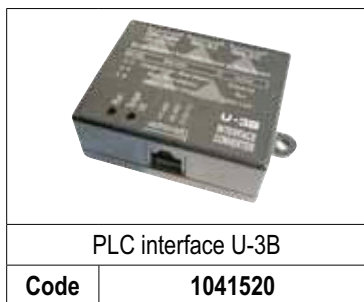
The recommended bit length is 44mm long. Thread size : 4mm.



Accessories

Designation	Torque ring cover Black	Ring for arm mounting for GX (30 Volts) only	Spiral cable 4 m
Code	1041213 (for GX 30 Volts) 1041205 (for GX 40 Volts)	1041501	1010413

PLC Interface



- 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-38D	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		