

# ELECTRIC SHUT-OFF SCREWDRIVERS

GX, GY, GA and DO series

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## PRODUCTIVE SOLUTIONS

As an industrial process expert, we help you meet your challenges.

Productivity, safety, quality, industry 4.0 are themes on which we can offer you our expertise and our solutions. Whether in the field of assembly technology, machining or welding, our dedicated and specialized teams accompany your progress and recommend solutions and equipment to reach performance levels in line with your industrial strategy.



### Certified quality

From design to commissioning, DOGA guarantees the quality of this equipment and services according to ISO 9001: 2015 certification.

## 5 Reasons to trust us



### Expertise

Our Field experts propose solutions adapted to your environment and specific needs..



### Innovation

By developing the products and the services of tomorrow, we offer you new perspectives or prospects.



### Performance

Our high added value solutions improve your performance and guarantee the final quality of the production.



### Commitment

Aware of your objectives, we commit ourselves to helping you to reach them.



### Reliability

Our organization, which has been ISO 9001 certified since 1996, is the guarantee of your satisfaction.



ASSEMBLY TECHNOLOGY

As a world class assembly technology player, we manufacture and market equipment and solutions for the assembly industry which contribute to the improvement of your manufacturing quality and productivity.

Our assembly, ergonomics and traceability solutions contribute to enhancing your productivity, controlling your process quality and meeting the requirements of industry 4.0.

We offer products designed to last and high value-added services by relying on our team's know-how and expertise: design, production, installation, start-up, training and maintenance. We support you locally thanks to our worldwide presence through our subsidiaries and our specialized distribution network.



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# SUMMARY

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GX, GY, GA and DO series

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# MORE ROBUST, MORE ACCURATE, AND MORE EFFICIENT!

Our electric shut-off screwdrivers and spindles are designed according to the highest standards of precision, ergonomics and robustness.

They come with a host of standard features:

- Digital speed adjustment
- Soft start
- Start / reversibility buttons and shut-off are magnetic sensors
- ESD protection for most models
- Surge and temperature protection

By equipping your workstations with our electric screwdrivers, you can be sure of producing quality assemblies while optimising your production costs.





## The range

Whatever your needs are, you will find the right solution in our wide range of electric shut-off screwdrivers for all your applications, even those with intensive work rates.

### GX SERIES



#### Brushless electric shut-off straight screwdrivers

##### GX series

(GX micro-torque and standard, GXS, GXT, GX FS, GX BT, GXD)

- From 0.02 to 9.8 Nm
- Ideal for vertical assemblies at low torque or more common torques



#### Brushless electric shut-off spindles - GXA serie

- From 0.03 to 4.41 Nm
- Perfect for installation on automatic machines or robots

### GY SERIES



#### Brushless electric shut-off straight screwdrivers

##### GY serie

- From 1 to 9.8 Nm
- Perfectly suited to high-speed vertical screwdriving operations



#### Brushless electric shut-off pistol screwdrivers

##### PGY serie

- From 1 to 9.8 Nm
- The best solution for high-speed horizontal screwdriving operations



#### Brushless electric shut-off spindles - GYA serie

- From 1 to 9.8 Nm
- Optimal for high-speed automated screwdriving operations

### GA SERIE



#### Brush electric shut-off straight screwdrivers

##### GA serie

- From 0.08 to 1.18 Nm
- A small lightweight model that combines operator comfort, productivity and quality

### DO SERIE

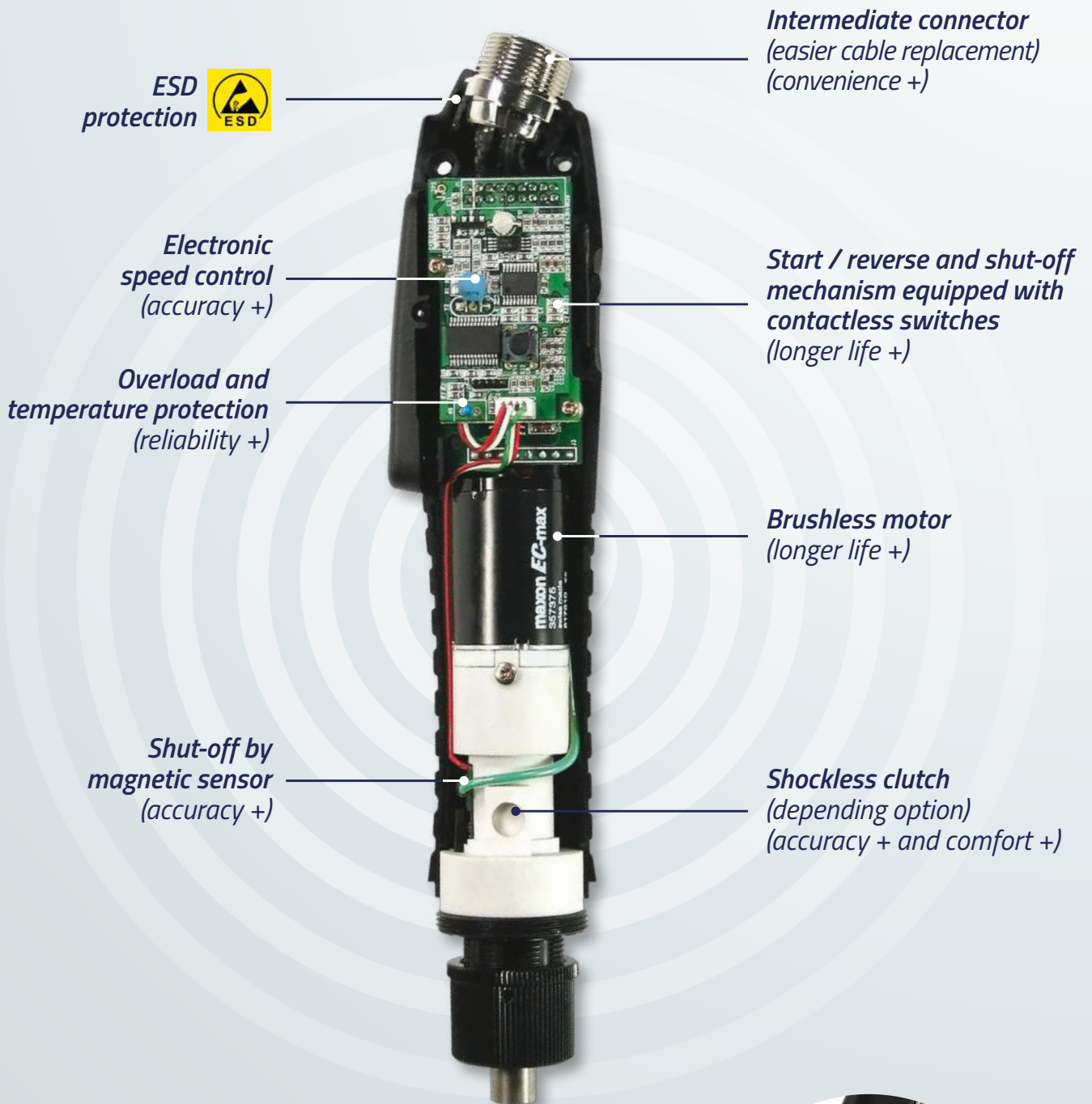


#### Brush electric shut-off straight screwdrivers

##### DO serie

- From 0.2 to 4.41 Nm
- A small lightweight model that combines operator comfort, productivity and quality

# Composition of a brushless electric shut-off screwdriver



**LED face**



# GX SERIES BRUSHLESS ELECTRIC SCREWDRIVERS

## GX micro-torque series - Brushless straight screwdrivers



**SOFT SHUT-OFF  
MECHANICAL CLUTCH  
FOR YOUR VERY LOW  
TORQUE ASSEMBLIES**

From 0.02 to 0.6 Nm



Digital speed adjustment



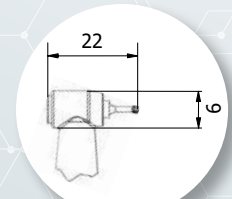
XS-40D controller



ESD protection



360° rotation



Model GX 035 mini angle nutrunners for difficult access

- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable

Designation	Torque (Nm)	Speed (rpm)	Start	Drive	Voltage (V)	Weight (kg)	Code
GX 035 ESD	0.02 to 0.34	300 to 1100	Lever	Half-moon / shank drive 4 mm	30	0.24	P100446
GX 035 mini angle nutrunners 0.6 Nm max	0.4 to 0.6	15 to 55	Lever	(see bits below)		0.36	P215436
GX 045 ESD	0.04 to 0.45	300 to 700	Lever	Half-moon / shank drive 4 mm	30	0.24	P100270
XS-40D controller							P100001

### Bits for GX035 mini angle nutrunners

Designation	Length (mm)	Code
Torx 6 bit for GX 035 mini angle nutrunners	24	P206420
Torx 8 bit for GX 035 mini angle nutrunners	35	P207175

Others bits models, contact us.

## Standard GX serie - Brushless straight screwdrivers



**EQUIPPED  
SOFT START AND  
DIGITAL SPEED  
CONTROL**

**From 0.09 to 4.41 Nm**



Digital speed adjustment



XS-40D controller



ESD protection

- ▶ Soft shut-off mechanical clutch for very low torque assemblies with precision
- ▶ Soft start adjustable
- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable
- ▶ Available in pistol version

**> See accessories page 26**

Designation	Torque (Nm)	Speed (rpm)	Start	Drive	Voltage (V)	Weight (kg)	Code
GX 80 ESD V2	0.09 to 0.8	450 to 1000	Lever	Hex 1/4"	30	0.43	<b>P100044</b>
GX 80 P ESD V2	0.09 to 0.8	450 to 1000	Push to start	Hex 1/4"	30	0.43	<b>P100241</b>
GX 120 ESD V2	0.2 to 1.2	300 to 700	Lever	Hex 1/4"	30	0.43	<b>P100010</b>
GX 120 P ESD V2	0.2 to 1.2	300 to 700	Push to start	Hex 1/4"	30	0.43	<b>P100105</b>
GX 150 ESD-H	0.3 to 1.47	800 to 1700	Lever	Hex 1/4"	40	0.60	<b>P100098</b>
GX 150 P ESD-H	0.3 to 1.47	800 to 1700	Push to start	Hex 1/4"	40	0.60	<b>P100083</b>
GX 220 ESD-H	0.6 to 2.15	600 to 1200	Lever	Hex 1/4"	40	0.60	<b>P100016</b>
GX 220 P ESD-H	0.6 to 2.15	600 to 1200	Push to start	Hex 1/4"	40	0.60	<b>P100025</b>
GX 450 ESD-H	1 to 4.41	300 to 600	Lever	Hex 1/4"	40	0.62	<b>P100011</b>
GX 450 P ESD-H	1 to 4.41	300 to 600	Push to start	Hex 1/4"	40	0.62	<b>P100023</b>
XS-40D controller							<b>P100001</b>

## GXS serie - Brushless straight screwdrivers



**SOFT SHUT-OFF  
MECHANICAL CLUTCH  
TO PRESERVE  
FRAGILE ASSEMBLIES**

From 0.09 to 2.15 Nm

 Digital speed adjustment

 XS-40D controller

 ESD protection

 FOR  
**FRAGILE**  
ASSEMBLIES

- ▶ Soft shut-off is ideal for your fragile assemblies
- ▶ Soft start adjustable
- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge et temperature protection
- ▶ Delivered with a 3 m cable
- ▶ Available in pistol version

[> See accessories page 26](#)

Designation	Torque (Nm)	Speed (rpm)	Start	Drive	Voltage (V)	Weight (kg)	Code
GXS 80 ESD V2	0.09 to 0.8	450 to 1000	Lever	Hex 1/4"	30	0.43	P101709
GXS 120 ESD V2	0.2 to 1.2	300 to 700	Lever	Hex 1/4"	30	0.43	P100553
GXS 150 ESD-H	0.3 to 1.47	800 to 1700	Lever	Hex 1/4"	40	0.60	P102475
GXS 220 ESD-H	0.6 to 2.15	600 to 1200	Lever	Hex 1/4"	40	0.60	P101405
XS-40D controller							P100001



## GXT serie - Brushless straight screwdrivers



**PERFECTLY SUITED FOR:**

- INSERTS INSTALLATION
- THREAD INSERTS INSTALLATION
- TAPPING CONTROL

From 0.09 to 4.41 Nm



Digital speed adjustment



XS-40D controller



ESD protection



Helicoil® installation



Insert installation

- ▶ Programmable functions (auto-reverse)
- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable
- ▶ Available in pistol version

> See accessories page 26

Designation	Torque (Nm)	Speed (rpm)	Start	Drive	Voltage (V)	Weight (kg)	Code
GXT 80 ESD V2	0.09 to 0.8	450 to 1000	Lever	Hex 1/4"	30	0.43	P103202
GXT 120 ESD V2	0.2 to 1.2	300 to 700	Lever	Hex 1/4"	30	0.43	P100367
GXT 150 ESD-H	0.3 to 1.47	800 to 1700	Lever	Hex 1/4"	40	0.60	P103529
GXT 220 ESD-H	0.6 to 2.15	600 to 1200	Lever	Hex 1/4"	40	0.60	P100968
GXT 450 ESD-H	1 to 4.41	300 to 600	Lever	Hex 1/4"	40	0.62	P100450
XS-40D controller							P100001

## GX FS serie - Brushless straight screwdrivers



### ECONOMICAL SOLUTION FOR LOW-TORQUE ASSEMBLIES

From 0.1 to 1.8 Nm



Single-speed



XS-40D  
controller



ESD  
protection

- ▶ Maximum efficiency (high speeds)
- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable

Designation	Torque (Nm)	Speed (rpm)	Start	Drive	Voltage (V)	Weight (kg)	Code
GX 60 FS ESD	0.1 to 0.6	1550	Lever	Hex 1/4"	30	0,44	P109110
GX 60 FSP ESD	0.1 to 0.6	1550	Push to start	Hex 1/4"	30	0,44	P107077
GX 80 FS ESD	0.2 to 0.8	1250	Lever	Hex 1/4"	30	0,44	P103190
GX 80 FSP ESD	0.2 to 0.8	1250	Push to start	Hex 1/4"	30	0,44	P104980
GX 120 FS ESD	0.3 to 1.2	1000	Lever	Hex 1/4"	30	0,44	P100936
GX 120 FSP ESD	0.3 to 1.2	1000	Push to start	Hex 1/4"	30	0,44	P102302
GX 180 FS ESD	0.4 to 1.8	700	Lever	Hex 1/4"	30	0,44	P100242
GX 180 FSP ESD	0.4 to 1.8	700	Push to start	Hex 1/4"	30	0,44	P101230
XS-40D controller							P100001

## GX BT serie - Brushless straight screwdrivers



### ECONOMICAL SOLUTION FOR HIGH-TORQUE ASSEMBLIES

From 1 to 9.8 Nm



Digital speed  
adjustment



XS-35D  
controller



ESD  
protection

- ▶ Soft start adjustable
- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable
- ▶ Available in pistol version

> See accessories page 26

Designation	Torque (Nm)	Speed (rpm)	Start	Drive	Voltage (V)	Weight (kg)	Code
GX 35 BT ESD-G	1 to 3.4	700 to 1500	Lever	Hex 1/4"	35	0.92	P101533
GX 50 BT ESD-G	2 to 4.9	600 to 1050	Lever	Hex 1/4"	35	0.92	P101024
GX 100 BT ESD-G	4 to 9.8	150 to 550	Lever	Hex 1/4"	35	0.92	P100049
XS-35D controller							P100050

## GXD serie - Brushless straight screwdrivers



**THE BEST SOLUTION  
FOR WORKSTATIONS  
WITH LIMITED SPACE**

**De 0.4 to 3.45 Nm**



Single-speed



Without controller  
Direct connection  
to 230 V socket

- ▶ Space saving and greater mobility
- ▶ Optimised limited features
- ▶ Optimum efficiency (fixed speeds)
- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable

Designation	Torque (Nm)	Speed (rpm)	Start	Drive	Weight (kg)	Code
GXD 180	0.4 to 1.75	1400	Lever	Hex 1/4"	0.97	<b>P205299</b>
GXD 180P	0.4 to 1.75	1400	Push to start	Hex 1/4"	0.97	<b>P205300</b>
GXD 250	0.7 to 2.45	1100	Lever	Hex 1/4"	0.97	<b>P205301</b>
GXD 250P	0.7 to 2.45	1100	Push to start	Hex 1/4"	0.97	<b>P205302</b>
GXD 350	1.1 to 3.45	790	Lever	Hex 1/4"	0.97	<b>P218399</b>
GXD 350P	1.1 to 3.45	790	Push to start	Hex 1/4"	0.97	<b>P218402</b>

## GXA serie - Brushless spindles



**IDEAL FOR  
AUTOMATED  
ASSEMBLIES  
WITH PRECISION**

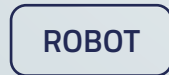
**From 0.03 to 4.41 Nm**



**Digital speed  
adjustment**



**XS-40D FA  
controller**



**Robotised / automated  
workstation integration**

- ▶ Soft start adjustable
- ▶ Shut-off mechanism equipped with contactless switch
- ▶ Easy integration by fixing with a mounting flange
- ▶ Remote control of motor start, forward and reverse
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable

Designation	Torque (Nm)	Speed (tr/min)	Start	Drive	Voltage (V)	Weight (kg)	Code
GXA 035 ESD V2	0.03 to 0.35	300 to 1100	External	Half-moon / shank drive 4 mm	30	0.45	<b>P104972</b>
GXA 045 ESD V2	0.04 to 0.45	300 to 700	External	Half-moon / shank drive 4 mm	30	0.45	<b>P167806</b>
GXA 080 ESD V2	0.1 to 0.8	450 to 1000	External	Hex 1/4"	30	0.45	<b>P103207</b>
GXA 120 ESD V2	0.2 to 1.2	300 to 700	External	Hex 1/4"	30	0.45	<b>P101624</b>
GXA 150-H	0.3 to 1.47	800 to 1700	External	Hex 1/4"	40	0.72	<b>P102506</b>
GXA 150P-H	0.3 to 1.47	800 to 1700	Push to start	Hex 1/4"	40	0.72	<b>P109082</b>
GXA 220-H	0.6 to 2.15	600 to 1200	External	Hex 1/4"	40	0.72	<b>P101535</b>
GXA 220P-H	0.6 to 2.15	600 to 1200	Push to start	Hex 1/4"	40	0.72	<b>P104971</b>
GXA 450-H	1 to 4.41	300 to 600	External	Hex 1/4"	40	0.74	<b>P100787</b>
GXA 450P-H	1 to 4.41	300 to 600	Push to start	Hex 1/4"	40	0.74	<b>P102923</b>
XS-40D FA controller							<b>P100059</b>



# GY SERIES BRUSHLESS ELECTRIC SCREWDRIVERS

## GY serie - Brushless straight screwdrivers



**HIGH QUALITY  
MECHANICAL CLUTCH  
FOR YOUR HIGH-SPEED  
APPLICATIONS**

**From 1 to 9.8 Nm**

 Digital speed adjustment

 XT-35D controller

 ESD protection

 Helicoil® installation

 Insert installation

- ▶ Multi-sequence functionality: tighten / hold / loosen (auto-reverse)
- ▶ Soft start adjustable
- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable

Designation	Torque (Nm)	Speed (rpm)	Start	Drive	Voltage (V)	Weight (kg)	Code
GY 35 ESD-G	1 to 3.4	500 to 1500	Lever	Hex 1/4"	35	0.8	<b>P101804</b>
GY 35P ESD-G	1 to 3.4	500 to 1500	Push to start	Hex 1/4"	35	0.8	<b>P101708</b>
GY 50 ESD-G	2 to 4.9	400 to 1100	Lever	Hex 1/4"	35	0.8	<b>P101285</b>
GY 50P ESD-G	2 to 4.9	400 to 1100	Push to start	Hex 1/4"	35	0.8	<b>P102490</b>
GY 100 ESD-G	4 to 9.8	250 to 500	Lever	Hex 1/4"	35	0.85	<b>P100320</b>
XT-35D controller							<b>P100043</b>

## PGY serie - Brushless pistol screwdrivers

### FOR YOUR HIGH-SPEED HORIZONTAL TIGHTENING OPERATIONS



From 1 to 9.8 Nm



Digital speed adjustment



XT-35D controller



ESD protection



Helicoil® installation



Insert installation

- ▶ High quality, precise and impact-free clutch with full mechanical shut-off
- ▶ Cable routing from below or above (Top Exit)
- ▶ Multi-sequence functionality: tighten / hold / loosen (auto-reverse)
- ▶ Soft start adjustable
- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable

Designation	Torque (Nm)	Speed (tr/min)	Start	Drive	Voltage (V)	Weight (kg)	Code
PGY 35 ESD-G	1 to 3.4	500 to 1500	Trigger	Hex 1/4"	35	0.9	P101621
PGY 35 ESD-G Top Exit	1 to 3.4	500 to 1500	Trigger	Hex 1/4"	35	0.9	P101800
PGY 50 ESD-G	2 to 4.9	400 to 1100	Trigger	Hex 1/4"	35	0.9	P102025
PGY 50 ESD-G Top Exit	2 to 4.9	400 to 1100	Trigger	Hex 1/4"	35	0.9	P101627
PGY 100 ESD-G	4 to 9.8	250 to 500	Trigger	Hex 1/4"	35	0.95	P102683
PGY 100 ESD-G Top Exit	4 to 9.8	250 to 500	Trigger	Hex 1/4"	35	0.95	P104377
XT-35D controller							P100043

## GYA serie - Brushless spindles



**IDEAL FOR  
HIGH-SPEED  
AUTOMATED  
ASSEMBLIES**

**From 1 to 9.8 Nm**



**Digital speed  
adjustment**



**XT-35D  
controller**

**ROBOT**

**Robotised / automated  
workstation integration**

- ▶ Multi-sequence functionality: tighten / hold / loosen (auto-reverse)
- ▶ Soft start adjustable
- ▶ Shut-off mechanism equipped with contactless switch
- ▶ Remote control of motor start, forward and reverse
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable

Designation	Torque (Nm)	Speed (tr/min)	Start	Drive	Voltage (V)	Weight (kg)	Code
GYA 35 ESD-G V2	1 to 3.4	500 to 1500	External inputs / outputs	Hex 1/4"	35	0.95	<b>P102320</b>
GYA 50 ESD-G V2	2 to 4.9	400 to 1100	External inputs / outputs	Hex 1/4"	35	0.95	<b>P102492</b>
GYA 100 ESD-G V2	4 to 9.8	250 to 500	External inputs / outputs	Hex 1/4"	35	0.95	<b>P100489</b>
XT-35D controller							<b>P100043</b>

# GA SERIE BRUSH ELECTRIC SCREWDRIVERS

## GA serie - Brush straight screwdrivers



**THE MOST  
ECONOMICAL SOLUTION  
FOR LOW-TORQUE  
ASSEMBLIES**

**From 0.08 to 1.18 Nm**



**Dual speed  
adjustment**



**XS-38D / XT-30D  
controllers**



**ESD  
protection**

- ▶ Dedicated to low rate
- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable

Designation	Torque (Nm)	Vitesse (rpm)	Start	Drive	Voltage (V)	Weight (kg)	Code
GA 150 ESD	0.08 to 0.78	700 or 1000	Lever	Hex 1/4"	30	0.31	<b>P102902</b>
GA 150P ESD	0.08 to 0.78	700 or 1000	Push to start	Hex 1/4"	30	0.31	<b>P105867</b>
GA 180 ESD	0.1 to 1.18	450 or 700	Lever	Hex 1/4"	30	0.31	<b>P100350</b>
GA 180P ESD	0.1 to 1.18	450 or 700	Push to start	Hex 1/4"	30	0.31	<b>P102021</b>
XS-38D controller (dual speed adjustment)							<b>P100106</b>
XT-30D V2 controller (single high-speed)							<b>P100927</b>

# DO SERIE BRUSH ELECTRIC SCREWDRIVERS

## DO serie - Brush straight screwdrivers



**THE MOST  
ECONOMICAL SOLUTION  
FOR HIGH-TORQUE  
ASSEMBLIES**

**From 0.2 to 4.41 Nm**



Dual speed  
adjustment



XS-38D  
controller



ESD  
protection

- ▶ Dedicated to low rate
- ▶ Start / reverse and shut-off mechanism equipped with contactless switches
- ▶ Surge and temperature protection
- ▶ Delivered with a 3 m cable

Designation	Torque (Nm)	Vitesse (rpm)	Start	Drive	Voltage (V)	Weight (kg)	Code
DO 250 ESD	0.2 to 2.45	630 or 1050	Lever	Hex 1/4"	38	0.72	<b>P101465</b>
DO 250P ESD	0.2 to 2.45	630 or 1050	Push to start	Hex 1/4"	38	0.72	<b>P102698</b>
DO 350 ESD	0.2 to 3.43	460 or 750	Lever	Hex 1/4"	38	0.72	<b>P101184</b>
DO 350P ESD	0.2 to 3.43	460 or 750	Push to start	Hex 1/4"	38	0.72	<b>P103182</b>
DO 450 ESD	0.3 to 4.41	330 or 550	Lever	Hex 1/4"	38	0.72	<b>P100817</b>
DO 450P ESD	0.3 to 4.41	330 or 550	Push to start	Hex 1/4"	38	0.72	<b>P101788</b>
XS-38D controller (dual speed adjustment)							<b>P100106</b>



# CONTROLLERS FOR ELECTRIC TOOLS

Connected to the controller, the screwdriver delivers constant speed and motor torque even for demanding fastening process (self-tapping, tightening soft joint, etc.) thanks to SMPS technology (switching modulation).



## XS-40D controller

- ▶ Adjustable soft start
- ▶ Inputs / Outputs interface for PLC
- ▶ RJ input for SCOUT II, DPC Touch counting
- ▶ Practical, compact and lightweight
- ▶ Reliable: surge and temperature protection from incorrect usage
- ▶ Maintenance free for better economy
- ▶ High level of quality thanks to the signals available depending on the model or special software: cycle in progress, torque reached, screwdriver locked / unlocked, rotation, etc.



For 30 or 40 volts screwdrivers  
**GX, GXS, GXT, GX FS series**

Designation	Tension (VAC)	Low voltage (V)	High voltage (V)	Intensity (A)	Weight (kg)	Dimensions (mm)	Code
XS-40D controller	220	30	40	3	0.86	200x115x65	P100001

## XS-40D FA controller

- ▶ For automated workstations
- ▶ Adjustable soft start (from 30 to 200 ms)
- ▶ Inputs / Outputs interface for PLC
- ▶ RJ input for SCOUT II, DPC Touch counting
- ▶ Practical, compact and lightweight
- ▶ Reliable: surge and temperature protection from incorrect usage
- ▶ Maintenance free for better economy
- ▶ High level of quality thanks to the signals available depending on the model or special software: cycle in progress, torque reached, screwdriver locked / unlocked, rotation, etc.



For 30 or 40 volts spindles  
**GXA serie**

Designation	Tension (VAC)	Low voltage (V)	High voltage (V)	Intensity (A)	Weight (kg)	Dimensions (mm)	Code
XS-40D FA controller	220	30	40	3	0.86	200x115x65	P100059

## XT-35D controller with advanced features



For 35 volts  
screwdrivers  
**GY serie**



- ▶ For powering and controlling GY brushless electric screwdrivers
- ▶ Wide range of torques from 0.7 to 9.8 Nm
- ▶ Adjustable rotation speed from 300 to 1 500 rpm
- ▶ Keyboard for setting parameters
- ▶ Password protection for parameters
- ▶ Adjustable speeds in tighten and loosen
- ▶ Adjustable soft start from 30 to 2 000 ms
- ▶ Multi-sequence programs
- ▶ Multi-triggering for tightening soft joint (1 to 10 hits)
- ▶ Display of selectable parameters
- ▶ Inputs / Outputs interface (I/O)
- ▶ RJ input for SCOUT II, DPC Touch counting
- ▶ Maintenance free for better economy
- ▶ Reliable: surge and temperature protection from incorrect usage

Designation	Voltage (VAC)	Output voltage (V)	Output intensity (A)	Weight (kg)	Dimensions (mm)	Code
XT-35D controller	230	35	4	2.4	95x221x143	<b>P100043</b>

## XS-35D controller



For 35 volts  
screwdrivers  
**GX BT serie**



- ▶ Practical, compact and lightweight
- ▶ Reliable: surge and temperature protection from incorrect usage
- ▶ Maintenance free for better economy
- ▶ High level of quality thanks to the signals cycle in progress, torque reached, screwdriver locked / unlocked
- ▶ Inputs / Outputs interface for PLC
- ▶ RJ input for SCOUT II, DPC Touch counting

Designation	Voltage (VAC)	Output voltage (V)	Intensity (A)	Weight (kg)	Dimensions (mm)	Code
XS-35D controller	220	35	4	1.2	200x115x65	<b>P100050</b>

## XS-38D controller



For 38 volts  
screwdrivers  
**GA & DO series**



- ▶ Dual speed high / low
- ▶ Inputs / Outputs interface for PLC

Designation	Tension (VAC)	Low voltage (V)	High voltage (V)	Intensity (A)	Weight (kg)	Dimensions (mm)	Code
XS-38D controller	230	30	38	2.5	0.71	200x115x65	<b>P100106</b>

## XT-30D controller



For 30 volts  
screwdrivers  
**GA serie**



Designation	Tension (VAC)	Output voltage (V)	Intensity (A)	Weight (kg)	Dimensions (mm)	Code
XT-30D controller	230	30	1.2	0.27	140x70x40	<b>P100927</b>

# POKA-YOKE Scout II counting controller



For screwdrivers compatible with controllers

**XS-35D, XT-35D & XS-40D**

(up to 4 screwdrivers)

**THE PERFECT TOOL FOR COUNTING SCREWS AND CYCLE MONITORING**

- ▶ Scout Manager programming software or direct programming on the controller - up to 8 programs
- ▶ 15 inputs including cycle start and start aut
- ▶ 7 outputs including OK / NOK, buzzer and cycle end

## 1 Monitoring

- Prevention of screw oversights
- Protection against double tightening
- Detect cross threaded tightening
- Alarms: LEDs and buzzer

## 2 Counting

- Display OK / NOK tightening
- Display OK / NOK cycle
- Display total number of screws (up to 99)
- Display number of screws remaining

## 3 Detection

- Part detection
- Management of information OK / NOK part in connection with a PLC

### Designation

POKA-YOKE SCOUT 2

### Code

**P100256**









POKA-YOKE Scout II counting controller delivered with:

- A controller connection cable - code: **P102316**
- An Inputs / Outputs connection cable - code: **P112673**
- A USB type A-B cable, 1.8 m - code: **P167813**














# ACCESSORIES AND SERVICES PROVIDED

## Accessories

Designation	Compatibility	Code	
Torque ring cover*	30 V GX	P100006	
	40 V GX (before models G and H)	P100935	
	40 V GX-G, GXD	P100422	
	40 V GX-H	P100002	
	GX035-045	P100611	
	GX BT, GY, PGY, GX BT-G, GY-G, PGY-G	P100037	
	GX FS series	P100255	
	GA series	P100850	
	DO series	P100707	
Standard cable 3.0 m	GX series	P100079	
Standard cable 5.0 m	GX, GA, DO series	P100268	
Standard cable 10 m	GX series	P101700	
Spiral cable 3.5 m	GX, GA, DO series	P100067	
Reinforced cable 3.0 m	GX series	P100486	
Cable 3.0 m	GY and PGY	P102001	
Cable 5.0 m	GY and PGY	P101127	
GX cable extension connector		P113333	
Angle head kit Square 1/4"	GX 30 V (except GX 035, GX 045 and GX FS)	P103200	
	GX 40 V (before models G and H)	P173918	
	GX 150 / 220 ESD-G	P108981	
	GX 450 ESD-G	P103863	
	GX 150 / 220-H	P102676	
Angle head kit Hex 1/4" E6,3 drive	GX 450-H	P102159	
	GY-G	P107190	
Angle head kit Hex 1/4" C6,3 drive	GX BT-G	P104933	
	GX 30 V (except GX 035, GX 045 and GX FS)	P100192	
	GX 40 V (before models G and H)	P113825	
	GX 150 / 220 ESD-G	P103175	
	GX 450 ESD-G	P107189	
	GX 150 / 220-H	P101126	
Mounting of angle head	GX 450-H	P101286	
	On GX series	P100230	

\*Not compatible with vacuum systems.

Designation	Compatibility	Code	
Pistol grip Start, lever, or push to start	GX 30 V (except GX 035, GX 045 and GX FS)	P100459	
	GX 40 V / GX-G / GX-H	P100104	
	GX BT series	P113298	
	DO series	P105012	
Key for locking the screwdriver adjustment buttons (Specific firmware needs to be loaded)		P103201	
Holster		P100140	
Interface for U-3B PLC Type of signals: - Open collector by optocoupler (reversing) - Relay contact N.C - Relay contact N/O		P100683	
IU3-D BAPER interface for XS-40D controller		P101228	
Mounting ring on reaction arm From the top (Check the diameter of the clamp)	GX 30 V (except GX 035, GX 045 and GX FS) Outside Ø: 48 mm	P100263	
	GX 40 V / GX-G / GX-H Outside Ø: 50 mm	P100217	
	GX BT series - Outside Ø: 52 mm	P101893	
	GX FS series - Outside Ø: 50 mm	P109107	
	GY series - Outside Ø: 52 mm	P102915	
Mounting ring on reaction arm From below	GX 30 V (except GX 035, GX 045 and GX FS)	P100895	
	GA series	P113552	
	DO series	P113558	
Carbon brush	GA series	P109069	
	DO series	P105002	
Brush cap	GA and DO series	P109065	
Kick-start pedal controller XS-40D for GX, GXS, GXT, and GXFS <i>The pedal is connected to the XS-40D controller's input. The pedal's functionality can be configured using a dedicated firmware that will be loaded into the screwdriver. Please contact us to determine which firmware to order separately.</i>		P205613	
Double kick-start pedal controller XS-40D FA for GX <i>The 2 pedals are connected to 2 inputs on the XS-40D FA controller. One pedal controls tightening, and the other controls untightening.</i>		P206286	

## Services provided

Designation	Code
Adjustment of the screwdriver to the required torque with supply of a Control Certificate for shut-off tools	<b>P179363</b>
Specific firmware loading (other functions)	<b>Contact us</b>

# RELATED PRODUCTS

## DPC Touch V2 sequencing interface



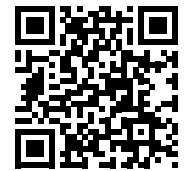
**THE IDEAL SEQUENCING AND ASSEMBLY PROCESS MONITORING INTERFACE FOR STAND-ALONE WORKSTATIONS**

### Compatible with most assembly tools (up to 2 screwdrivers)

- ▶ The sequencing and assembly process monitoring interface DPC Touch can count, control, order and check assembly steps and adapts perfectly to all your applications.
- ▶ It can be installed on stand-alone workstations or within a production line.
- ▶ DPC Touch manages our range of torque reaction arms to control the order in which screws are fitted.
- ▶ It guarantees you optimum quality and traceability for zero-defect assembly.



> Watch our demonstration video



> Learn more about our DPC Touch V2 sequencing interface



## Industrial bits



### A WIDE RANGE OF INDUSTRIAL BITS ADAPTED TO ALL YOUR NEEDS

Our range of bits is one of the most complete on the market.

It consists of a wide variety of bits (recess / drive) standard or customized, as well as bit-holders, adapters and accessories.

- ▶ More than 600 references of industrial bits managed in stock
- ▶ Creation of tailor-made bits
- ▶ Wide choice of safety models
- ▶ Magnetic and non-magnetic versions

> Learn more about our industrial bits



## Torque reaction arms



### PREVENTION OF MUSCULOSKELETAL DISORDERS WHILE IMPROVING WORKING COMFORT, ASSEMBLY QUALITY AND PRODUCTIVITY

To guarantee optimal quality and traceability, most DOGA torque reaction arms are available with a positioning system.

So every screw is tightened at the right location and at the right torque!

> Learn more about our torque reaction arms



## Screw feeders for vacuum kits or magnetized bits



### AUTOMATIC OR SEMI-AUTOMATIC SCREW FEEDING SYSTEM

In addition to our vacuum kits, our screw feeding systems reduce operator cycle times and maintain their comfort.

- ▶ The screws can be picked by vacuum or magnets
- ▶ Simple and efficient design
- ▶ No more screws falling out of your products
- ▶ Smooth and uninterrupted screw delivery
- ▶ Can be integrated into automatic machines

> Learn more about our screw feeders



## Air vacuum kits



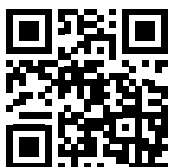
### SCREW GRIPPING SYSTEM FOR ASSEMBLY TOOLS

The assembly of non-magnetic or small screws is delicate or even difficult when access to the screwing point is restricted.

Air vacuum kits, holding the screw by vacuum at the end of the screwdriver, make it possible to:

- ▶ Free up the operator's hand and make it easier to assemble your application
- ▶ Reach screwing points that are difficult to access (shafts, small space, etc.)
- ▶ Avoid unexpected fall of screw into your products

> Learn more about our air vacuum kits





# OUR SERVICES

At DOGA we put at your disposal our reliable, accurate and user-friendly tightening solutions. It is our duty to advise you of the right solution for your application. Our Product Manager and Support engineering teams are here to analyze your manufacturing process and share with you our innovative solutions to improve your assembly process. Thanks to our technical integration service CELPRO, we provide you with turnkey solutions from design to commissioning.



## TURNKEY SOLUTIONS

Using all the options of our complete product range, we offer you solutions adapted to your needs.

- ▶ Custom Design
- ▶ Adaptation of existing models
- ▶ Integration of automation system



## TECHNICAL ASSISTANCE

To ensure the optimal performance and durability of our tools, we put our technical assistance at your disposal.

- ▶ Installation and start-up
- ▶ Maintenance agreement
- ▶ On-site maintenance
- ▶ Maintenance in our workshop



## TRAINING

DOGA offers specialized training courses for our industries:

- ▶ Technical & practical
- ▶ Audit & Consulting

