DOGA®
ASSEMBLY TECHNOLOGY

ELECTRIC SHUT-OFF SCREWDRIVERS

GX, GY, GA and DO series



www.dogassembly.com



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.

A committed and responsible Company

ISO 14001:2015 certified, DOGA is committed to minimizing its environmental impact and promoting sustainable production processes.

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.

DOGA® | 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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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 robutness.

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.



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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 commom 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 spindles - GYA serie

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

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

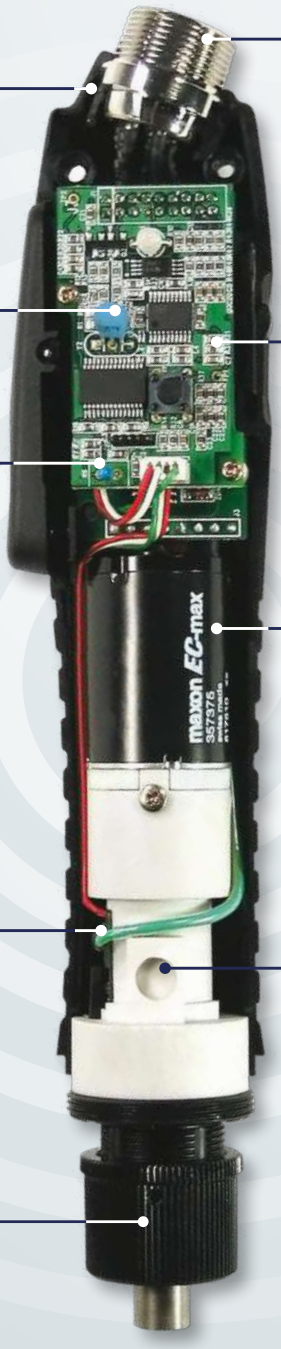
DO SERIE



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



ESD protection

Intermediate connector
(easier cable replacement)
(convenience +)

Electronic speed control
(accuracy +)

Start / reverse and shut-off mechanism equipped with contactless switches
(longer life +)

Overload and temperature protection
(reliability +)

Brushless motor
(longer life +)

Shut-off by magnetic sensor
(accuracy +)

Shockless clutch
(depending option)
(accuracy + and comfort +)

Noise level*
< 70 dBA
Vibrations level*
< 2,5 m/sec²



LED face

**These features apply to all screwdrivers in the GX and GY series.*

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GX SERIES BRUSHLESS ELECTRIC SCREWDRIVERS

GX micro-torque seris - Brushless straight screwdrivers



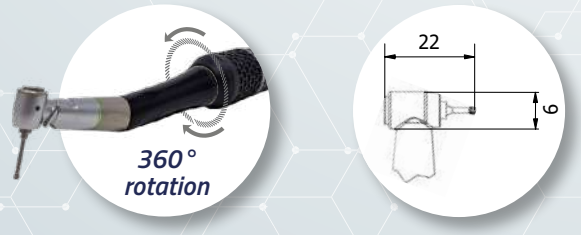
SOFT SHUT-OFF MECHANICAL CLUTCH FOR YOUR VERY LOW TORQUE ASSEMBLIES

From 0.02 to 0.6 Nm

Digital speed adjustment

XS-40D controller

ESD protection



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	**P100044**
GX 80 P ESD V2	0.09 to 0.8	450 to 1000	Push to start	Hex 1/4''	30	0.43	**P100241**
GX 120 ESD V2	0.2 to 1.2	300 to 700	Lever	Hex 1/4''	30	0.43	**P100010**
GX 120 P ESD V2	0.2 to 1.2	300 to 700	Push to start	Hex 1/4''	30	0.43	**P100105**
GX 150 ESD-H	0.3 to 1.47	800 to 1700	Lever	Hex 1/4''	40	0.60	**P100098**
GX 150 P ESD-H	0.3 to 1.47	800 to 1700	Push to start	Hex 1/4''	40	0.60	**P100083**
GX 220 ESD-H	0.6 to 2.15	600 to 1200	Lever	Hex 1/4''	40	0.60	**P100016**
GX 220 P ESD-H	0.6 to 2.15	600 to 1200	Push to start	Hex 1/4''	40	0.60	**P100025**
GX 450 ESD-H	1 to 4.41	300 to 600	Lever	Hex 1/4''	40	0.62	**P100011**
GX 450 P ESD-H	1 to 4.41	300 to 600	Push to start	Hex 1/4''	40	0.62	**P100023**
XS-40D controller							**P100001**

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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**

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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**

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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	**P205299**
GXD 180P	0.4 to 1.75	1400	Push to start	Hex 1/4"	0.97	**P205300**
GXD 250	0.7 to 2.45	1100	Lever	Hex 1/4"	0.97	**P205301**
GXD 250P	0.7 to 2.45	1100	Push to start	Hex 1/4"	0.97	**P205302**
GXD 350	1.1 to 3.45	790	Lever	Hex 1/4"	0.97	**P218399**
GXD 350P	1.1 to 3.45	790	Push to start	Hex 1/4"	0.97	**P218402**

GXA serie - Brushless spindles



IDEAL FOR AUTOMATED ASSEMBLIES WITH PRECISION

From 0.03 to 4.41 Nm

Digital speed adjustment

XS-40D FA controller

ROBOT — 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	**P104972**
GXA 045 ESD V2	0.04 to 0.45	300 to 700	External	Half-moon / shank drive 4 mm	30	0.45	**P167806**
GXA 080 ESD V2	0.1 to 0.8	450 to 1000	External	Hex 1/4''	30	0.45	**P103207**
GXA 120 ESD V2	0.2 to 1.2	300 to 700	External	Hex 1/4''	30	0.45	**P101624**
GXA 150-H	0.3 to 1.47	800 to 1700	External	Hex 1/4''	40	0.72	**P102506**
GXA 150P-H	0.3 to 1.47	800 to 1700	Push to start	Hex 1/4''	40	0.72	**P109082**
GXA 220-H	0.6 to 2.15	600 to 1200	External	Hex 1/4''	40	0.72	**P101535**
GXA 220P-H	0.6 to 2.15	600 to 1200	Push to start	Hex 1/4''	40	0.72	**P104971**
GXA 450-H	1 to 4.41	300 to 600	External	Hex 1/4''	40	0.74	**P100787**
GXA 450P-H	1 to 4.41	300 to 600	Push to start	Hex 1/4''	40	0.74	**P102923**
XS-40D FA controller							**P100059**

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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	**P101804**
GY 35P ESD-G	1 to 3.4	500 to 1500	Push to start	Hex 1/4''	35	0.8	**P101708**
GY 50 ESD-G	2 to 4.9	400 to 1100	Lever	Hex 1/4''	35	0.8	**P101285**
GY 50P ESD-G	2 to 4.9	400 to 1100	Push to start	Hex 1/4''	35	0.8	**P102490**
GY 100 ESD-G	4 to 9.8	250 to 500	Lever	Hex 1/4''	35	0.85	**P100320**
XT-35D controller							**P100043**

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**

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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	**P102320**
GYA 50 ESD-G V2	2 to 4.9	400 to 1100	External inputs / outputs	Hex 1/4''	35	0.95	**P102492**
GYA 100 ESD-G V2	4 to 9.8	250 to 500	External inputs / outputs	Hex 1/4''	35	0.95	**P100489**
XT-35D controller							**P100043**

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	**P102902**
GA 150P ESD	0.08 to 0.78	700 or 1000	Push to start	Hex 1/4''	30	0.31	**P105867**
GA 180 ESD	0.1 to 1.18	450 or 700	Lever	Hex 1/4''	30	0.31	**P100350**
GA 180P ESD	0.1 to 1.18	450 or 700	Push to start	Hex 1/4''	30	0.31	**P102021**
XS-38D controller (dual speed adjustment)							**P100106**
XT-30D V2 controller (single high-speed)							**P100927**

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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	**P101465**
DO 250P ESD	0.2 to 2.45	630 or 1050	Push to start	Hex 1/4''	38	0.72	**P102698**
DO 350 ESD	0.2 to 3.43	460 or 750	Lever	Hex 1/4''	38	0.72	**P101184**
DO 350P ESD	0.2 to 3.43	460 or 750	Push to start	Hex 1/4''	38	0.72	**P103182**
DO 450 ESD	0.3 to 4.41	330 or 550	Lever	Hex 1/4''	38	0.72	**P100817**
DO 450P ESD	0.3 to 4.41	330 or 550	Push to start	Hex 1/4''	38	0.72	**P101788**
XS-38D controller (dual speed adjustment)							**P100106**

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**

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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	**P100043**

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	**P100050**

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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	**P100106**

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	**P100927**

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 programmation 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	Code
POKA-YOKE SCOUT 2	**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**

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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**	
	GX 450-H	**P102159**	
Angle head kit Hex 1/4" E6,3 drive	GY-G	**P107190**	
	GX BT-G	**P104933**	
Angle head kit Hex 1/4" C6,3 drive	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**	
	GX 450-H	**P101286**	
Mounting of angle head	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**	
U-3D interface for Easy Push or BAPER function of torque reaction arms, to use with XS-40D, XS-35D and XS-38D controllers		**P101228**	
Cable for U-3D interface	XS-40D, XS-35D and XS-38D / Easy Push	**P101217**	
	XS-40D, XS-35D and XS-38D / BAPER	**P104827**	
Cable for Easy Push or BAPER function of torque reaction arms, to use with XT-35D controller only	XT-35D / Easy Push	**P219948**	
	XT-35D / BAPER	**P106575**	
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**	

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Désignation Compatibilité	Code article	
Kick-start pedal controller XS-40D for GX, GXS, GXT, and GXFS *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.*	**P205613**	
Double kick-start pedal controller XS-40D FA for GXA *The 2 pedals are connected to 2 inputs on the XS-40D FA controller. One pedal controls tightening, and the other controls untightening.*	**P206286**	

Services provided

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

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

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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

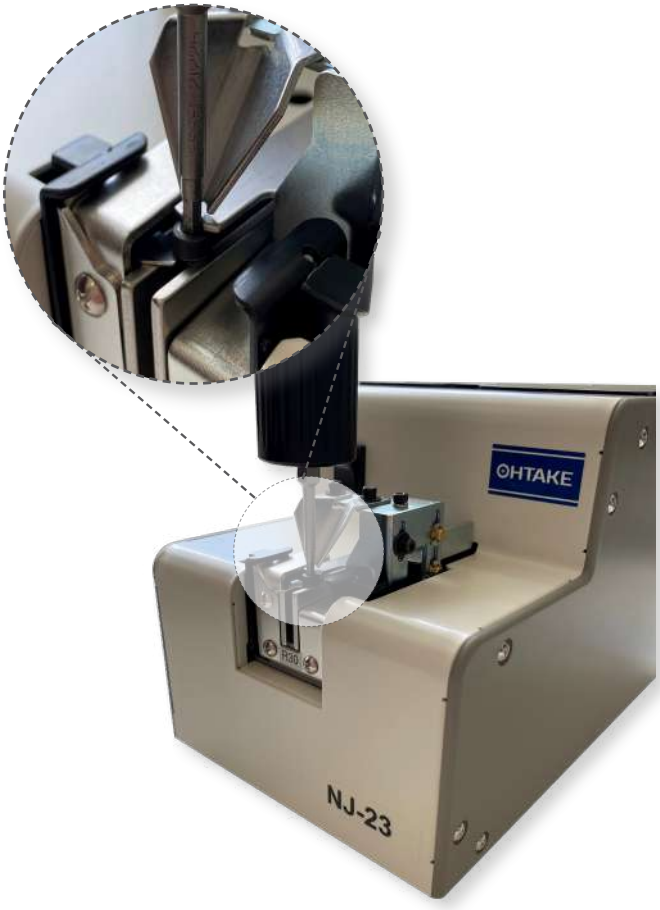


PREVENTION OF MUSCULOSKELETAL DISORDERS WHILE IMPROVING WORKING COMFORT, ASSEMBLY QUALITY AND PRODUCTIVITY

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

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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**

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