

ELECTRIC SHUT-OFF SCREWDRIVERS

GX, GY, GA and DO series





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

ELECTRIC SHUT-OFF SCREWDRIVERS GX, GY, GA and DO series

▶ MORE ROBUST, MORE ACCURATE, AND MORE EFFICIENT!	4
The range	5
Composition of a brushless electric shut-off screwdriver	6
▶ GX SERIES BRUSHLESS ELECTRIC SHUT-OFF SCREWDRIVERS	7
Brushless electric shut-off straight screwdrivers - GX micro-torque series	7
Brushless electric shut-off straight screwdrivers - Standard GX series	8
Brushless electric shut-off straight screwdrivers - GXS series	9
Brushless electric shut-off straight screwdrivers - GXT series	10
Brushless electric shut-off straight screwdrivers - GX FS series	11
Brushless electric shut-off straight screwdrivers - GX BT series	12
Brushless electric shut-off straight screwdrivers - GXD series	13
Brushless electric shut-off spindles - GXA series	14
▶ BRUSHLESS ELECTRIC SHUT-OFF SCREWDRIVERS GY SERIES	15
Brushless electric shut-off straight screwdrivers - GY series	15
Brushless electric shut-off pistol screwdrivers - PGY series	16
Brushless electric shut-off spindles - GYA series	17
▶ BRUSH ELECTRIC SHUT-OFF SCREWDRIVERS GA SERIES	18
Brush electric shut-off straight screwdrivers - GA series	18
▶ BRUSH ELECTRIC SHUT-OFF SCREWDRIVERS DO SERIES	19
Brush electric shut-off straight screwdrivers - DO series	19
▶ CONTROLLERS FOR ELECTRIC TOOLS	20
XS-40D controller	20
XS-40D FA controller	20
XT-35D controller with advanced features	21
XS-35D controller	22
XS-38D controller	23
XT-30D controller	23
POKA-YOKE Scout II counting controller	24
▶ ACCESSORIES AND SERVICES PROVIDED	25
Accessories	25
Services provided	27
▶ RELATED PRODUCTS	28
DPC Touch V2 sequencing interface	28
Industrial bits	29
Torque reaction arms	29
Screw feeders for vacuum kits or magnetized bits	30
Air vacuum kits	30
▶ OUR SERVICES	31

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 series

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

GY SERIES



Brushless electric shut-off straight screwdrivers GY series

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



Brushless electric shut-off pistol screwdrivers PGY series

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



Brushless electric shut-off spindles - GYA series

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

GA SERIE



Brush electric shut-off straight screwdrivers GA series

- 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



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



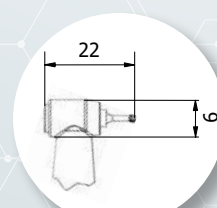
Digital speed adjustment



XS-40D controller



ESD protection



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

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**



- ▶ 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	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

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

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	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

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

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

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 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	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**

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	

Désignation	Compatibilité	Code article	
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 GXA <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	P179363
Specific firmware loading (other functions)	Contact us

RELATED PRODUCTS

DPC Touch V2 sequencing interface



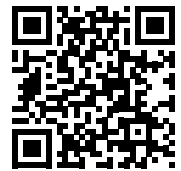
**THE IDEAL SEQUENCING
AND ASSEMBLY PROCESS
MONITORING INTERFACE
FOR STAND-ALONE
WORKSTATIONS**

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



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

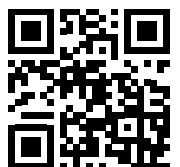


SCREW GRIPPING SYSTEM FOR ASSEMBLY TOOLS

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

