

# INDUSTRIAL BATTERY TOOLS

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BSTP / BSTA / BSTCA 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 specialised 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 equipments 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 services of tomorrow, we offer you new perspectives and prospects..



### Performance

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



### Commitment

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



### Reliability

Our organization, ISO 9001 certified since 1996, is the guarantee of your satisfaction



ASSEMBLY  
TECHNOLOGY

As a world-class assembly technology player, we manufacture and market equipments 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 meet 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

## INDUSTRIAL CORDLESS TOOLS

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# FOR TOTAL FREEDOM OF MOVEMENT

Designed for industrial use, our cordless screwdrivers are precise and robust while being lightweight and maneuverable.

Assembled around modern brushless motors, they have a long autonomy thanks to high capacity 18 V Li-Ion batteries.

## THE RANGE



### Pistol model

DOGA Li-ion battery pistol screwdrivers are designed with industrial production in mind. Ergonomic and robust, they are also very flexible thanks to their adjustable rotation speed (see option «speed control»). Moreover, you will highly reduce your maintenance costs as they are equipped with brushless motors.



### Angle head model

DOGA Li-ion battery angle head screwdrivers are designed the same way as the pistol ones. Light weight and properly balanced, they are very comfortable and handy. Angle head is also adjustable for screws with difficult access.



### Geared offset head (crowfoot)

This angle nutrunner is equipped with a geared offset head. Open or closed, fixed or orientable, the geared offset head corresponds to the dimensional constraints imposed by difficult to access tightening. .

# PISTOL TOOL - BSTP SERIES

Our cordless Li-ion pistol screwdrivers BSTP serie are designed for industrial use. They are manufactured according to ergonomic, precision and robustness criteria. Equipped with brushless motors, they have a soft start and programmable speeds with programmer SP-18V-V2.

- ▶ Powerful Lithium-ion battery for longer operating time and life duration, with capacity gauge
- ▶ Maintenance free «brushless» motor
- ▶ Studied ergonomics to improve the comfort of the operator - zero gravity
- ▶ Visual (colored LED) and audible (bip) information on the result of tightening OK/NOK
- ▶ Automatic stop before the battery is too much discharged
- ▶ Inductive reversibility button



## BSTP series

Designation	Voltage (V)	Drive size (Inch)	Torque range (Nm)	Speed*** (rpm)	Weight w/o battery (kg)	Code
BSTP 18-3 HD 1/4-A	18	1/4 Hex.**	0,8 - 3*	600 - 1200	0,95	<b>4-1036051</b>
BSTP 18-6 HD 1/4	18	1/4 Hex.**	1,0 - 6*	300 - 1000	0,95	<b>4-1036001</b>
BSTP 18-9 HD 1/4	18	1/4 Hex.**	1,5 - 9*	300 - 800	0,95	<b>4-1036002</b>
BSTP 18-12 HD 1/4	18	1/4 Hex.**	2 - 12*	250 - 600	0,95	<b>4-1036003</b>

Each tool is delivered with one torque adjusting screwdriver.

\* Torque range is given for hard joint conditions < or = to 30°.

\*\* Quick chuck.

\*\*\* Adjustable speed range if using the programmer, maximum speed as standard.

## Battery/Charger



*Lithium-ion battery BB200LI-25*



*Lithium-ion battery BB200LI-50*



*Charger CR19 - BTP*

Designation	Capacity	Weight (kg)	Code
Lithium-ion battery BB 200LI-25	2,5 Ah	0,39	<b>4-1054703</b>
Lithium-ion battery BB 200LI-50	5,0 Ah	0,67	<b>4-1054704</b>
Charger CR19-BTP			<b>4-1056005</b>

## Accessories



*Battery cover*



*Tool cover BSTP*



*BSTP identification ring*

Designation	Code
Torque adjusting screwdriver (delivered with the tool)	<b>4-1056007</b>
SP- 18V-V2 speed control box (see details page 14)	<b>4-1056012</b>
Tool cover	<b>4-1057010</b>
BB 200LI-25 battery cover	<b>4-1057013</b>
BB 200LI-50 battery cover	<b>4-1057014</b>
Suspension ring	<b>4-1056047</b>
Black identification ring (delivered assembled with the screwdriver)	<b>4-1090125</b>
Bronze identification ring	<b>4-1090220</b>
Blue identification ring	<b>4-1090221</b>
Purple identification ring	<b>4-1090222</b>
Identification ring mounting tool	<b>4-1090223</b>

## Torque adjustment

Designation	Description	Code
Capability report	Statistical statement 30 measurements Target torque to be specified	<b>4-7500310</b>



# ANGLE NUTRUNNERS - BSTA SERIES

Our angle nutrunners, BSTA series, are perfectly balanced for maximum comfort and maneuverability. Each type is dimensioned with precision to easily stand torque reactions. The angle head can be swiveled at 360° to give easy access to areas that are hard to reach. Equipped with brushless motors, they have a soft start and programmable speeds with programmer SP-18V-V2.

- ▶ Powerful Lithium-ion battery for longer operating time and life duration, with capacity gauge
- ▶ Maintenance free «brushless» motor
- ▶ Studied ergonomics to improve the comfort of the operator - zero gravity
- ▶ Visual (colored LED) and audible (bip) information on the result of tightening OK/NOK
- ▶ Automatic stop before the battery is too much discharged
- ▶ Inductive reversibility button
- ▶ Adjustment of the speed of rotation in screwing-unscrewing by programmer (supplied as an option)



## BSTA series

Designation	Voltage (V)	Drive size (Inch)	Torque range (Nm)	Speed* (tr/min)	Weight w/o battery (Kg)	Code
BSTA-10 HD 1/4	18	Hexa 1/4 (quick chuck)	3 - 12	400 - 1000	1,6	<b>4-1036005</b>
BSTA-10 SD 1/4	18	Square drive 1/4	3 - 12	400-1000	1,6	<b>4-1036006</b>
BSTA-10 SD 3/8	18	Square drive 3/8	3 - 12	400-1000	1,6	<b>4-1036007</b>
BSTA-16 HD 1/4	18	Hexa 1/4 (quick chuck)	5-18	300-600	1,6	<b>4-1036008</b>
BSTA-16 SD 1/4	18	Square drive 1/4	5-18	300-600	1,6	<b>4-1036009</b>
BSTA-16 SD 3/8	18	Square drive 3/8	5-18	300-600	1,6	<b>4-1036010</b>
BSTA-30 SD 3/8	18	Square drive 3/8	8-30	250-480	1,6	<b>4-1036011</b>
BSTA-35 SD 3/8	18	Square drive 3/8	10-35	200-330	2,0	<b>4-1036012</b>
BSTA-50 SD 3/8	18	Square drive 3/8	10-50	200	2,0	<b>4-1036013</b>
BSTA-50 SD 1/2	18	Square drive 1/2	10-50	200	2,0	<b>4-1036022</b>
BSTA-60 SD 3/8	18	Square drive 3/8	25-60	160	2,0	<b>4-1036049</b>
BSTA-60 SD 1/2	18	Square drive 1/2	25-60	160	2,0	<b>4-1036050</b>
BSTA-70 SD 3/8	18	Square drive 3/8	20-70	170	2,5	<b>4-1036014</b>
BSTA-70 SD 1/2	18	Square drive 1/2	20-70	170	2,5	<b>4-1036023</b>
BSTA-90 SD 1/2	18	Square drive 1/2	40-90	90	2,5	<b>4-1036004</b>

Each tool is delivered with one torque adjusting screwdriver, 1 set of color rings.

Torque range is given for hard joint conditions < = to 30°.

BSTA-90, BSTA-70 and BSTA-50 must be equipped with 5 Ah battery model to reach the maximum torque (hard joint).

\* Adjustable speed range if using the programmer, maximum speed as standard.

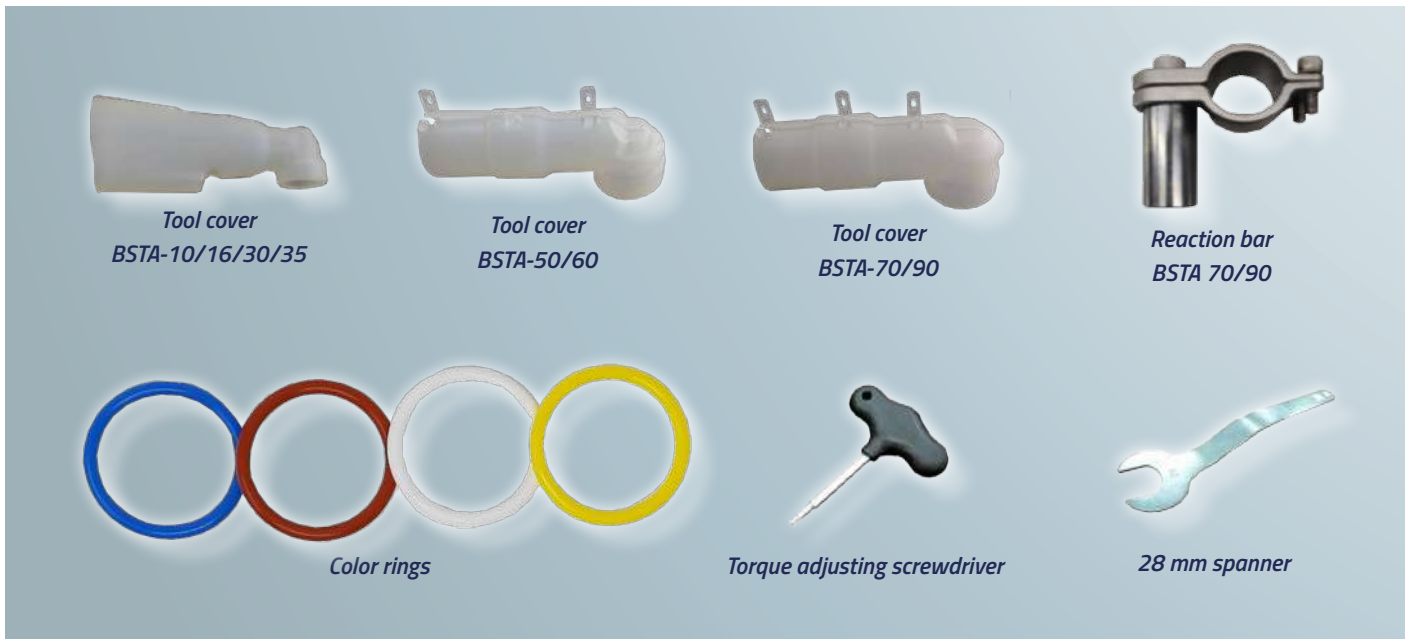
## Battery/Charger



Designation	Capacity	Weight (kg)	Code
Lithium-ion battery BB 200LI-25	2,5 Ah	0,39	<b>4-1054703</b>
Lithium-ion battery BB 200LI-50	5,0 Ah	0,67	<b>4-1054704</b>
Charger CR19-BTP			<b>4-1056005</b>



## Accessories



Designation	Code
BSTA 70/90 reaction bar	4-1057015
Blue ring	4-1056700
Red ring	4-1056033
White ring	4-1056034
28 mm spanner for indexing the angle head*	4-1056040
SP-18V-V2 speed control box (voir détails p.14)	4-1056012
BB 200LI-25 battery cover	4-1057013
BB 200LI-50 battery cover	4-1057014
Tool cover BSTA -10 ==> BSTA-35	4-1057011
Tool cover BSTA -50	4-1055700
Tool cover BSTA -70	4-1055701
Special spanner (BSTA50 ==> BSTA90)	4-1055707
Suspension bail	4-1056048
Torque adjusting screwdriver*	4-1056007

\*Delivered with the tool.

## Torque adjustment

Designation	Description	Code
Capability report	Statistical statement 30 measurements Target torque to be specified	4-7500310

# COMPACT ANGLE NUTRUNNERS - BSTCA SERIES

Our angle nutrunners BSTCA series are compact and perfectly balanced for maximum comfort and maneuverability. Each type is dimensioned with precision to easily stand torque reactions. The angle head can be swiveled at 360° to give easy access to areas that are hard to reach. Equipped with brushless motors, they have a soft start and programmable speeds with programmer SP-18V-V2.

- ▶ Powerful Lithium-ion Battery for longer operating time and life duration, with capacity gauge
- ▶ Maintenance free «brushless» motor
- ▶ Studied ergonomics to improve the comfort of the operator - zero gravity
- ▶ LED lighting of the working area
- ▶ Visual (colored LED) and audible (bip) information on the result of tightening OK/NOK
- ▶ Automatic stop before the battery is too much discharged
- ▶ Inductive reversibility button
- ▶ Adjustment of the speed of rotation in screwing-unscrewing by programmer (supplied as an option)



## BSTCA series

Designation	Voltage (V)	Drive	Torque Range (Nm)	Speed* (tr/min)	Weight w/o battery (kg)	Code
BSTCA-07 HD 1/4 BITS	18	Hexa 1/4 (bits)	1,8 - 7	400 - 800	1,5	<b>4-1036042</b>
BSTCA-07 HD 1/4	18	Hexa 1/4 (quick chuck)	1,8-7	400-800	1,5	<b>4-1036053</b>
BSTCA-07 SD 1/4	18	Square drive 1/4	1,8 - 7	400-800	1,5	<b>4-1036043</b>
BSTCA-07 SD 3/8	18	Square drive 3/8	1,8 - 7	400-800	1,5	<b>4-1036044</b>
BSTCA-14 HD 1/4 BITS	18	Hexa 1/4 (bits)	3,5-14	200-500	1,5	<b>4-1036045</b>
BSTA-14 HD 1/4	18	Hexa 1/4 (quick chuck)	3,5-14	200-500	1,5	<b>4-1036054</b>
BSTCA-14 SD 1/4	18	Square drive 1/4	3,5-14	200-500	1,5	<b>4-1036046</b>
BSTCA-14 SD 3/8	18	Square drive 3/8	3,5-14	250-500	1,5	<b>4-1036047</b>
BSTCA-30 SD 3/8	18	Square drive 3/8	8-30	200	1,9	<b>4-1036048</b>

Each tool is delivered with one torque adjusting screwdriver one set of color rings.

Torque range is given for hard joint conditions < or = to 30 °.

\*Adjustable speed range if using the programmer, maximum speed a standard.

## Battery/Charger

Designation	Capacity	Weight (kg)	Code
Lithium-ion battery BB 200LI-25	2,5 Ah	0,39	<b>4-1054703</b>
Lithium-ion battery BB 200LI-50	5,0 Ah	0,67	<b>4-1054704</b>
Charger CR19-BTP			<b>4-1056005</b>

## Accessories



Designation	Code
Torque adjusting screwdriver*	<b>4-1056007</b>
SP-18V-V2 Speed control box (voir détails page 14)	<b>4-1056012</b>
BB 200LI-25 battery cover	<b>4-1057013</b>
BB 200LI-50 battery cover	<b>4-1057014</b>
Tool cover BSTCA07-BSTCA14	<b>4-1055708</b>
Tool cover BSTCA 30	<b>4-1000014</b>
Special spanner for indexing the angle head	<b>4-1055707</b>

\*Delivered with the tool.

# GEARED OFFSET HEAD NUTRUNNERS BSTA BCA/BOA/ICA/IOA SERIES

Identical to a standard screwdriver, this angle nutrunner is also equipped with a geared offset head (crowfoot). Open or closed, fixed or orientable, the geared offset head corresponds to the dimensional constraints due to difficult-to-access tightening. Equipped with brushless motors, they have a soft start and programmable speeds.

- ▶ Powerful Lithium-ion Battery for longer operating time and life duration, with capacity gauge
- ▶ Maintenance free «brushless» motor
- ▶ Basic (B) or in-line (I) crowfoot, open (O) or closed (C) version
- ▶ Studied ergonomics to improve the comfort of the operator - zero gravity
- ▶ LED lighting of the working area
- ▶ Visual (colored LED) and audible (bip) information on the result of tightening OK/NOK
- ▶ Automatic stop before the battery is too much discharged
- ▶ Inductive reversibility button



## BSTA series - BCA/BOA/ICA/IOA

Designation	Voltage (V)	Drive size	Torque range (Nm)	Speed (tr/min)	Weight w/o battery (kg)	Code
BSTA-10 BCA	18	Hex 10	3 - 8	950	2,0	<b>4-1036024</b>
BSTA-16 BCA	18	Hex 10	5 - 13	600	2,0	<b>4-1036025</b>
BSTA-30 BCA	18	Hex 10	8 - 18	450	2,0	<b>4-1036026</b>
BSTA-10 BOA	18	Hex 13	3 - 7	950	2,1	<b>4-1036030</b>
BSTA-16 BOA	18	Hex 13	5 - 12	600	2,1	<b>4-1036031</b>
BSTA-30 BOA	18	Hex 13	8 - 17	450	2,1	<b>4-1036032</b>
BSTA-10 ICA	18	Hex 10	5 - 11	620	2,2	<b>4-1036036</b>
BSTA-16 ICA	18	Hex 10	8 - 17	380	2,2	<b>4-1036037</b>
BSTA-30 ICA	18	Hex 10	11 - 23	300	2,2	<b>4-1036038</b>
BSTA-10 IOA	18	Hex 13	7 - 13	420	2,3	<b>4-1036039</b>
BSTA-16 IOA	18	Hex 13	10 - 22	270	2,3	<b>4-1036040</b>
BSTA-30 IOA	18	Hex 13	13 - 28	200	2,3	<b>4-1036041</b>

Each tool is delivered with one torque adjusting screwdriver, 1 set of color rings + instructions manual.

Torque range is given for hard joint conditions < or = 30°.

Vibration < 2,5 m/s<sup>2</sup> and sound level < 75 db(A).

## Dimensions of the crowfoot (see schema p.12)

Designation	W	D	O	R	L	L1	H	H1
BCA	32	10	-	13?1	37?7	-	16	-
BOA	40	13	10,2	17	40	-	21	16
ICA	32	10	-	13,1	159	91	16	-
IOA	40	13	10,2	17	166,7	98,7	20	16

Special dimensions possible on request (questionnaire 60386).

## Battery/Charger

Designation	Capacity	Weight (Kg)	Code
Batterie Li-ion BB 200LI-25	2,5Ah	0,39	<b>4-1054703</b>
Batterie Li-ion BB 200LI-50	5,0Ah	0,67	<b>4-1054704</b>
Chargeur CR19-BTP			<b>4-1056005</b>

## Accessories

 28 mm spanner		 Color rings		 Torque adjusting screwdriver	
Designation				Code	
Torque adjusting screwdriver*				4-1056007	
Blue ring*				4-1056700	
Red ring*				4-1056033	
White ring*				4-1056034	
28 mm spanner*				4-1056040	
Battery cover for BB 200LI-25				4-1057013	
Battery cover for BB 200LI-50				4-1057014	

\*Delivered with the tool.

## ACCESSORIES

### Programmer SP-18-V2

Dedicated to DOGA battery tool with mechanical clutch, it allows rapid programming.

- ▶ Speed adjustment in screwing and reverse
- ▶ Manual, inhibited or automatic reversibility (change from reverse to screwing mode only, without pressing the reversibility button)
- ▶ Activation/desactivation of BIP sound
- ▶ Soft start settings
- ▶ Trigger start delay settings
- ▶ Timed lighting LED
- ▶ Multi hit reverse mode setting
- ▶ Supplied with mini USB cord for tool connection



Designation	Code
Programmer SP-18V-V2	4-1056012

### Tool holster

Very simple and quick to install, holsters allow you to optimize your workstation ergonomics.  
A simple accessory that actively contributes to operator's productivity and reduce cost by avoiding tool falls.

- ▶ Suitable with all DOGA industrial cordless tools (pistol, angle-head, crowfoot)
- ▶ Easy and quick to install on a table or chassis



Designation	Code
Battery tools holster BSTP/BSTA	4-1054702



# OUR SERVICES

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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 analyse 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



## ASSISTANCE TECHNIQUE

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 around its trades :

- ▶ Technical
- ▶ Practical
- ▶ Audit & Consulting

## RELATED PRODUCTS



### Torque testers

DOGA EZ V4 torque testers incorporate a static torquesensor and cover a torque range of 0.2 to 20 Nm.

- EZ2 V4 torque tester (from 0,2 to 2 Nm +/- 2% of the measuring range)
- EZ10 V4 torque tester (from 1 to 10 Nm +/- 1% of the measuring range)
- EZ20 V4 torque tester (from 2 to 20 Nm +/- 1% of the measuring range)

> Learn more about our torque testers



### Li-ion multi-channel industrial chargers and fingerprints

- Multi-channel chargers
- NICD / NIMH battery footprints
- Prints Li-ion batteries

> Learn more about our industrial chargers



### Bits, special bits, bit holders and accessories

Designed for the most demanding industrial uses, our range of bits is one of the most complete on the market. It consists of a wide variety of bits (impressions / drives) as standard or custom, but also bit holders, adapters and accessories..

> Learn more about our bits



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