DOGA®
Productive solutions



ASSEMBLY TOOLS AND SYSTEMS



Industrial Battery Tools

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Range



Pistol

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

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.

Industrial Battery Tools

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BSTP Series

from 0,8 to 12 Nm

Shut-off pistol screwdrivers with brushless motor and speed control (with SP-18V-V2 speed programmer)

- Powerful Lithium-ion Battery for longer operating time and life duration
- Efficient brushless motor for optimized durability (no maintenance required - less spare parts cost)
- Studied ergonomy to improve the comfort of the operator with soft grip reducing vibration
- Smart reverse button for quick operation
- LED lights to work even in dark area for better comfort
- OK/NOK/ level of charge LED feedback signal for the operator
- Automatic stop before the battery is too much discharged
- Reliable Sliding battery system easy to handle increasing the productivity
- Adjustable F/R rotation speed through speed programmer (delivered in option)

Model	Drive size (Inch)	Torque range (Nm)	Speed (rpm)	Weight w/o battery (Kg)	Code
BSTP 18-3 HD 1/4	1/4 Hex	0,8 - 3*	500 to 1550	0,95	**6-1036000**
BSTP 18-6 HD 1/4	1/4 Hex	1,0 - 6*	300 to 1000	0,95	**6-1036001**
BSTP 18-9 HD 1/4	1/4 Hex	1,5 - 9*	300 to 800	0,95	**6-1036002**
BSTP 18-12 HD 1/4	1/4 Hex	2 - 12*	250 to 600	0,95	**6-1036003**

Each tool is delivered with one torque adjusting screwdriver and instructions manual
** Torque range is given for hard joint conditions < or = to 30°*

Battery/Charger

Designation	Capacity	Weight (Kg)	Code
Li-ion BB 180LI-20 battery	2,0Ah	0,37	**6-1054700**
Li-ion BB 180LI-40 battery	4,0Ah	0,63	**6-1054701**
CR19-BTP charger			**6-1056005**



Battery cover



Tool cover

Accessories

Designation	Code
Torque adjusting screwdrivers *	**6-1056007**
SP-18 V-V2 Speed control box **	**6-1056012**
Tool cover	**6-1057010**
BB 180LI-20 battery cover	**6-1055705**
BB 180LI-40 battery cover	**6-1055706**
Suspension bail*	**6-1056047**

** Delivered with the tool*

***** SP-18V-V2 speed programmer features***

- *Delivered with a USB cable to be plugged on the BSTP series*
- *Friendly-user program to set easily the requested speed rotation*
- *Total tightenings number memory function*
- *Cycle count memory function*
- *Forward and reverse speed settings*
- *Manual - automatic - locked reverse mode*
- *Buzzer sound level settings*
- *Soft start settings*
- *Trigger start delay settings*
- *LED "ON" duration settings*
- *Multi hit reverse mode settings*



BSTP Series



Multiple LED display (see hereunder)

Powerful LED light to ease the tightenings

Programmable speed rotation

Temporized trigger to avoid double hits

Auto-manual smart reverse button

Ergonomic handle for better comfort

Tool speed can be adjusted by the extra programmer

Battery holder with guiding groove (easy and reliable) heavy duty and high capacity battery (Li-ion)



A blue light means the tool is in the reverse operation.

A green light tells the operator that the preset torque is reached and the tightening is OK

A red light and one long "beep" sound tell the operator that the preset torque is not reached, the screwing fastener must be performed again.

A flashing yellow light and five short "beep" sounds give an early warning when it is time for recharging.

A yellow light and one long "beep" sound mean a battery lock that indicates the tool can't work and that you MUST change the battery pack immediately.



BSTA Series

from 3 to 70 Nm

Shut-off angle nutrunners with brushless motor and speed control (with SP-18V-V2 speed programmer)

- Powerful Lithium-ion Battery for longer operating time and life duration
- Efficient brushless motor for optimized durability (no maintenance required - less spare parts cost)
- Studied ergonomy to improve the comfort of the operator - zero gravity
- Smart reverse button for quick operation
- LED lights to work even in dark area for better comfort
- OK/NOK/ level of charge LED feedback signal for the operator
- Automatic stop before the battery is too much discharged
- Reliable Sliding battery system easy to handle increasing the productivity
- Adjustable F/R rotation speed through speed programmer (delivered in option)

Model	Drive size (Inch)	Torque range (Nm)	Speed (rpm)	Weight w/o battery (Kg)	Code
BSTA-10 HD 1/4	1/4 Hex	3 to 12*	400 to 1000	1,6	**6-1036005**
BSTA-10 SD 1/4	1/4 SQ	3 to 12*	400 to 1000	1,6	**6-1036006**
BSTA-10 SD 3/8	3/8 SQ	3 to 12*	400 to 1000	1,6	**6-1036007**
BSTA-16 HD 1/4	1/4 Hex	5 to 16*	300 to 600	1,6	**6-1036008**
BSTA-16 SD 1/4	1/4 SQ	5 to 16*	300 to 600	1,6	**6-1036009**
BSTA-16 SD 3/8	3/8 SQ	5 to 16*	300 to 600	1,6	**6-1036010**
BSTA-30 SD 3/8	3/8 SQ	8 to 30*	250 to 480	1,6	**6-1036011**
BSTA-35 SD 3/8	3/8 SQ	10 to 35*	200 to 330	1,6	**6-1036012**
BSTA-50 SD 3/8	3/8 SQ	10 to 50**	200	2,0	**6-1036013**
BSTA-70 SD 3/8	3/8 SQ	20 to 70**	170	2,5	**6-1036014**

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 = to 30°.*
*** BSTA-70 and BSTA-50 must be equiped with 4 Ah battery model to reach the maximum torque (hard joint).*

Battery/Charger

Désignation	Capacité	Poids (Kg)	Code article
Lithium-ion BB 180LI-20 (18 V - 2 Ah) battery	2,0Ah	0,37	**6-1054700**
Lithium-ion BB 180LI-40 (18 V - 4 Ah) battery	4,0Ah	0,63	**6-1054701**
CR 19-BTP battery charger			**6-1056005**

Accessories

Designation	Code
Torque adjusting screwdrivers*	**6-1056031**
SP-18V-V2 speed control box (see detail page 4)**	**6-1056012**
Blue ring*	**6-1056700**
Red ring*	**6-1056033**
White ring*	**6-1056034**
Yellow ring*	**6-1044198**
3/8 SQ drive angle head kit	**6-1056035**
1/4 SQ drive angle head kit	**6-1056044**
BB 180LI-20 battery cover	**6-1055705**
BB 180LI-40 battery cover	**6-1055706**
1/4 Hex drive angle head kit	**6-1056043**
Tool cover BSTA-10 ==> BSTA-35	**6-1057011**
Tool cover BSTA-50	**6-1055700**
Tool cover BSTA-70	**6-1055701**
Spanner 28 mm*	**6-1056040**

** Delivered with the tool*



Tool cover BSTA-10 ===> BSTA-35



Tool cover BSTA-50

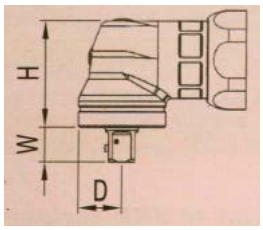


Tool cover BSTA-70

BSTA Series







Drive	H (mm)	W (mm)	D (mm)
Square 3/8”	39	12	16
Square 1/4”	39	9	16
Hexagonal 1/4”	39	20	16



LED indicator

A blue light means the tool is in the reverse operation.

A green light tells the operator that the preset torque is reached and the tightening is OK

A red light and one long “beep” sound tell the operator that the preset torque is not reached, the screwing fastener must be performed again.



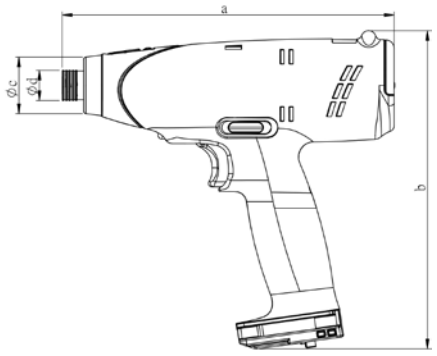
Mini USB port for programming with SP-18V-V2 programmer

A flashing yellow light and five short “beep” sounds give an early warning when it is time for recharging.

A yellow light and one long “beep” sound mean a battery lock that indicates the tool can’t work and that you MUST change the battery pack immediately.

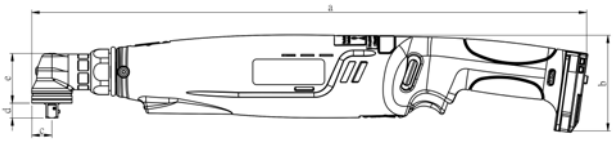
Dimensions

BSTP



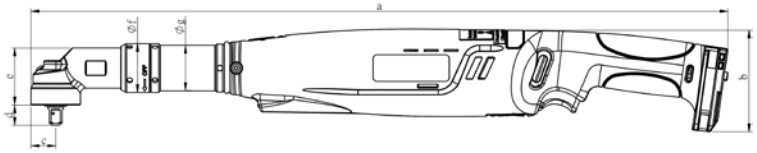
a (mm)	b (mm)	c (mm)	d (mm)
202	194	34,5	18,5

BSTA-10/16/30/35



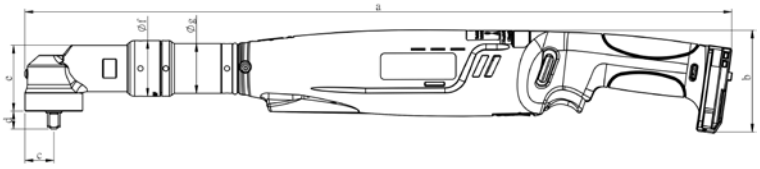
a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
440	75,5	16	12	39
440	75,5	16	9	39
440	75,5	16	20	39

BSTA-50



a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)
521	76,8	18,5	13,5	42,5	36,5	34

BSTA-70



a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)
534,4	76,8	21,7	12	50	42	37,6

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