



ASSEMBLY TOOLS AND SYSTEMS



Industrial Battery Tools BSTP/BSTA



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.



Geared head (crowfoot)

This angle nutrunner is equipped at its tip with a pinion gear called a geared head. Open or closed, fixed or orientable, the geared head corresponds to the dimensional constraints imposed by difficult-to-access tightening.

Industrial Battery Tools



Page 4	• BSTP Series
Page 6	• BSTA Series
Page 8	• BSTCA Series
Page 10 - 11	• BSTA BCA/BOA/ICA/IOA Series
Page 12	• Dimensions
Page 13	• Accessories



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, with capacity gauge
- Efficient brushless motor for optimized durability (no maintenance required - less spare parts cost)
- Studied ergonomics 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-A	1/4 Hex	0,8 - 3*	600 to 1200	0,95	4-1036051
BSTP 18-6 HD 1/4	1/4 Hex	1,0 - 6*	300 to 1000	0,95	4-1036001
BSTP 18-9 HD 1/4	1/4 Hex	1,5 - 9*	300 to 800	0,95	4-1036002
BSTP 18-12 HD 1/4	1/4 Hex	2 - 12*	250 to 600	0,95	4-1036003

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 200LI-25	2,5Ah	0,39	4-1054703
Li-ion BB 200LI-50	5,0Ah	0,67	4-1054704
CR19-BTP charger			4-1056005



Battery cover



Tool cover

Accessories

Designation	Code
Torque adjusting screwdrivers *	4-1056007
SP-18 V-V2 Speed control box (see details page 11)	4-1056012
Tool cover	4-1057010
BB 200LI-25 battery cover	4-1057013
BB 200LI-50 battery cover	4-1057014
Suspension bail	4-1056047

* Delivered with the tool.

BSTP Series



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) with capacity gauge



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 90 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, with capacity gauge
- Efficient brushless motor for optimized durability (no maintenance required - less spare parts cost)
- Studied ergonomology 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	4-1036005
BSTA-10 SD 1/4	1/4 SQ	3 to 12	400 to 1000	1,6	4-1036006
BSTA-10 SD 3/8	3/8 SQ	3 to 12	400 to 1000	1,6	4-1036007
BSTA-16 HD 1/4	1/4 Hex	5 to 16	300 to 600	1,6	4-1036008
BSTA-16 SD 1/4	1/4 SQ	5 to 16	300 to 600	1,6	4-1036009
BSTA-16 SD 3/8	3/8 SQ	5 to 16	300 to 600	1,6	4-1036010
BSTA-30 SD 3/8	3/8 SQ	8 to 30	250 to 480	1,6	4-1036011
BSTA-35 SD 3/8	3/8 SQ	10 to 35	200 to 330	1,6	4-1036012
BSTA-50 SD 3/8	3/8 SQ	10 to 50	200	2,0	4-1036013
BSTA-50 SD 1/2	1/2 SQ	10 to 50	200	2,0	4-1036022
BSTA-60 SD 3/8	3/8 SQ	20 to 60	170	2,0	4-1036049
BSTA-60 SD 1/2	1/2 SQ	20 to 60	170	2,0	4-1036050
BSTA-70 SD 3/8	3/8 SQ	20 to 70	170	2,5	4-1036014
BSTA-70 SD 1/2	1/2 SQ	20 to 70	170	2,5	4-1036023
BSTA-90 SD 1/2	1/2 SQ	40 to 90	90	2,5	4-1036004

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

Battery/Charger

Designation	Capacity	Weight (Kg)	Code
Lithium-ion BB 200LI-25	2,5Ah	0,39	4-1054703
Lithium-ion BB 200LI-50	5,0Ah	0,67	4-1054704
CR 19-BTP battery charger			4-1056005

Accessories

Designation	Code
Torque adjusting screwdrivers*	4-1056007
SP-18V-V2 speed control box (see detail page 11)**	4-1056012
Blue ring*	4-1056700
Red ring*	4-1056033
White ring*	4-1056034
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
Spanner 28 mm* (BSTA 10 ==> 35)	4-1056040
Special spanner (BSTA 50 ==> 70)	4-1055707
Suspension bail	4-1056048

* Delivered with the tool



Tool cover BSTA-10 ==> BSTA-35

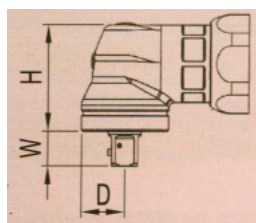


Tool cover BSTA-50



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.



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.



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



BSTCA Series

from 1,8 to 32 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, with capacity gauge
- Efficient brushless motor for optimized durability (no maintenance required - less spare parts cost)
- Studied ergonomics 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)

Designation	Voltage (V)	Drive	Torque range (Nm)	Speed (tr/min)	Weight w/o battery (Kg)	Code
BSTCA-07 HD 1/4	18	1/4" Hex.	1,8 - 8	400 - 800	1,5	4-1036042
BSTCA-07 SD 1/4	18	1/4" Square	1,8 - 8	400 - 800	1,5	4-1036043
BSTCA-07 SD 3/8	18	3/8" Square	1,8 - 8	400 - 800	1,5	4-1036044
BSTCA-14 HD 1/4	18	1/4" Hex.	3,5 - 16	200 - 500	1,5	4-1036045
BSTCA-14 SD 1/4	18	1/4" Square	3,5 - 16	200 - 500	1,5	4-1036046
BSTCA-14 SD 3/8	18	3/8" Square	3,5 - 16	200 - 500	1,5	4-1036047
BSTCA-30 SD 3/8	18	3/8" Square	8 - 32	200	1,9	4-1036048

Each tool is delivered with one torque adjusting screwdriver one set of colored rings and instructions manual

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

Battery/Charger

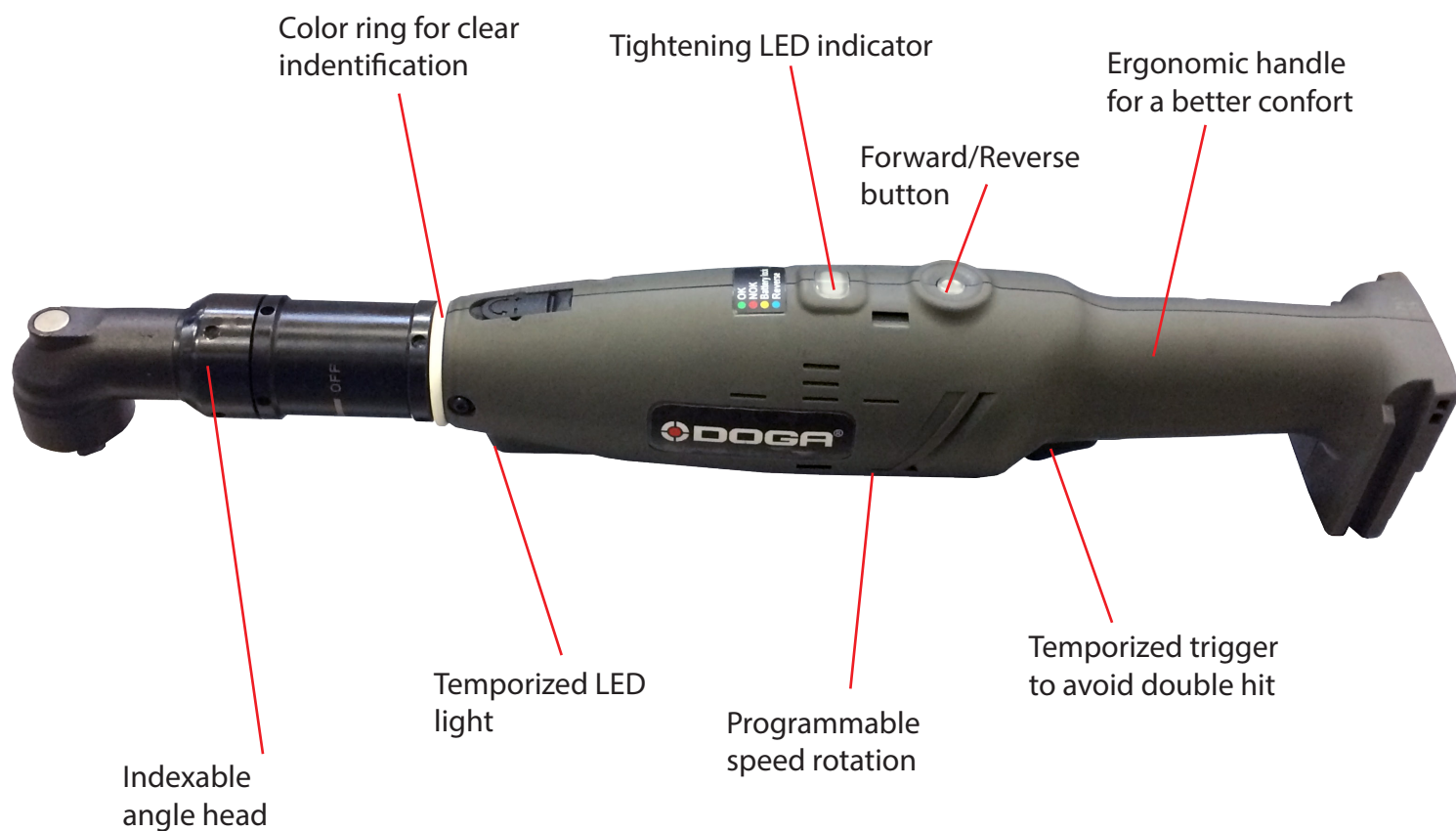
Designation	Capacity	Weight (Kg)	Code
Li-ion BB 200LI-25 battery	2,5Ah	0,39	4-1054703
Li-ion BB 200LI-50 battery	5,0Ah	0,67	4-1054704
CR19-BTP charger			4-1056005

Accessories

Designation	Code
Torque adjusting screwdrivers *	4-1056007
SP-18 V-V2 Speed control box ** (see details page 11)	4-1056012
BB 200LI-25 battery cover	4-1057013
BB 200LI-50 battery cover	4-1057014
Tool cover BSTCA07, BSTCA14	4-1055708
Tool cover BSTCA30	4-1000014
Special spanner	4-1055707

* Delivered with the tool

BSTCA Series



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.



BSTCA - BCA/BOA/ICA/IOA Series

from 3 to 28 Nm

Shut-off geared head angle nutrunners with brushless motor

- Powerful Lithium-ion Battery for longer operating time and life duration, with capacity gauge
- Efficient brushless motor for optimized durability (no maintenance required - less spare parts cost)
- Basic (B) or in-line (I) geared head, open (O) or closed (C)
- Studied ergonomoy 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

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

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/s² and sound level < 75 db(A).

Battery/charger

Model	Capacity	Weight (Kg)	Code
Lithium-ion battery BB 200LI-25	2,5Ah	0,39	4-1054703
Lithium-ion battery BB 200LI-50	5,0Ah	0,67	4-1054704
Charger CR19-BTP			4-1056005

Accessories

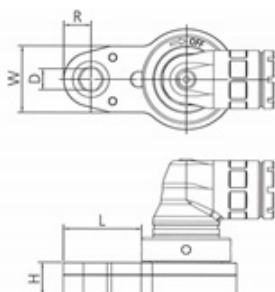
Model	Code
Torque adjusting screwdrivers*	4-1056007
Blue ring*	4-1056700
Red ring*	4-1056033
White ring*	4-1056034
Spanner 28 mm*	4-1056040
Battery cover for BB 200LI-25	4-1057013
Battery cover for BB 200LI-50	4-1057014

* Delivered with the tool.

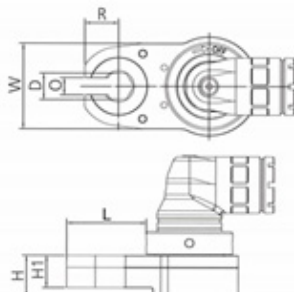
BSTCA - BCA/BOA/ICA/IOA Series



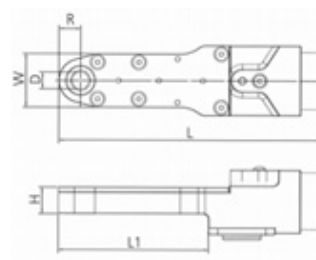
BCA



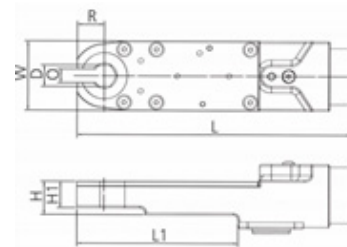
BOA



ICA



IOA



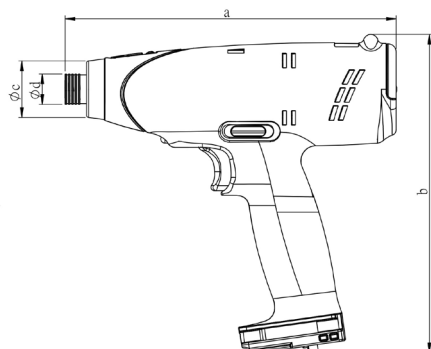
Model	W	D	O	R	L	L1	H	H1
BCA	32	10	-	13,1	37,7	-	16	-
BOA	40	13	10,2	17	40	-	21	16
ICA	32	10	-	13,1	159	91	16	-
IO	40	13	10,2	17	166,7	98,7	20	16

Special design on request (questionnaire 60386).



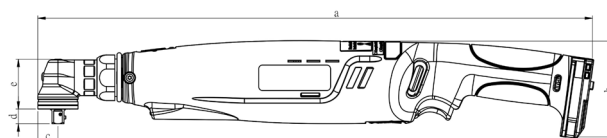
BSTA Series

BSTP



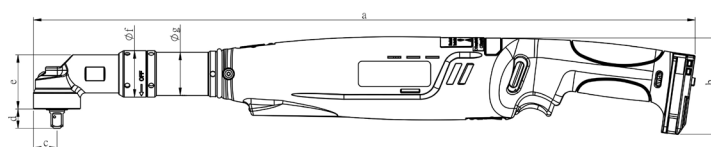
a (mm)	b (mm)	c (mm)	d (mm)
202	194	34,5	18,5

BSTA-10/16/30/35



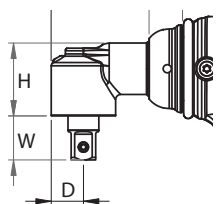
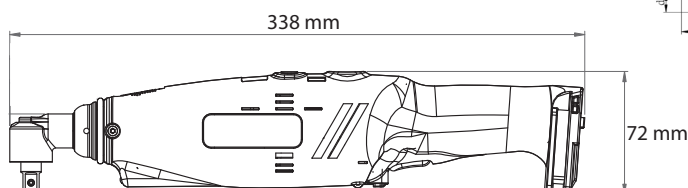
a (mm)	b (mm)	c (mm)	d (mm)	e (mm)
440	75,5	16	12	39
440	75,5	16	9	39
440	75,5	16	20	39

BSTA-50



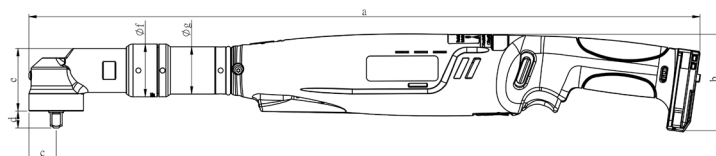
a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)
521	76,8	18,5	13,5	42,5	36,5	34

BSTCA-07/14



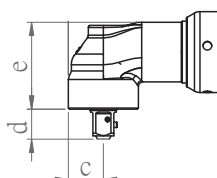
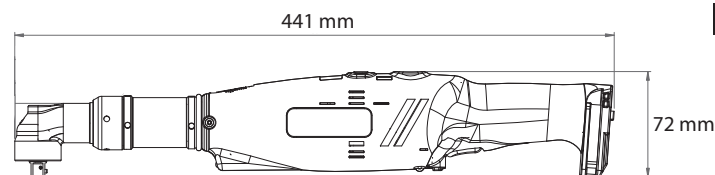
Drive	H	W	D
1/4" Hex.	26	3	12,5
1/4" Square	26	9	12,5
3/8" Square	26	12	12,5

BSTA-70/90



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

BSTCA-30



Drive	H	W	D
3/8" Square	38	13,6	16

Accessories

Programmer SP18-V2 Code 4-1056012

* Delivered with the tool

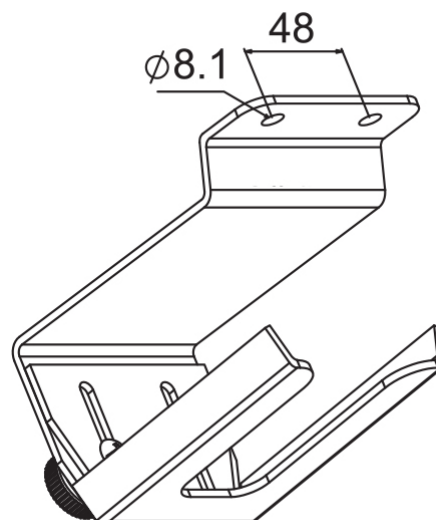
** SP-18V-V2 speed programmer features

- 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

* from reverse to fastening only



Holster



Designation

Holster BSTP/BSTA

Code

4-1054702





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