

# BIT TRAYS AND SOCKET TRAYS

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## 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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# SUMMURY

## BIT TRAYS AND SOCKET TRAYS



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# A COMPLETE RANGE OF BIT TRAYS AND SOCKET TRAYS

**Would you like to improve your productivity and, above all, reduce errors in your assembly processes?**

We offer a complete range of bit trays and socket trays, specially designed to eliminate incorrect program selection with the selected bit or socket.

You can link each bit or socket with a tightening program and vice versa, depending on the operating mode.

They prevent errors by locking the screwdriver.

This simplifies workstation operation considerably.

By using our bit and socket trays, you can be sure of getting the job done perfectly.

A real innovation recognized in many activities: automotive, aviation, medicine, etc.



## PRODUCTIVITY

- The operator is guided to select the right bit/socket for the chosen operation.
- Coding is done either by intelligent color recognition or mechanical dimensions.
- Your assembly applications are safer and more precise.



## MANUFACTURING QUALITY

- All bit trays and socket trays feature a color display for easy parameter setting.
- They are compatible with all electric screwdrivers.
- Our R&D department is constantly developing and improving our products to bring you even greater efficiency and satisfaction.

# WHICH BIT TRAY OR SOCKET TRAY?

	BIT TRAYS			SOCKET TRAYS
	<b>COLOR ID BS-5C</b> 	<b>BST-LCD</b> 	<b>BST-8W LCD WI-FI</b> 	<b>ST LCD</b> 
CODING	Color sleeves with color sensors	Mechanical with inductive sensors	Mechanical with inductive sensors	Mechanical with inductive sensors
COMPATIBILITY	<ul style="list-style-type: none"> <li>MD and MDT screwdrivers</li> <li>ParaMon Pro X</li> <li>All types of controllers with digital IO's</li> </ul>	<ul style="list-style-type: none"> <li>MD and MDT screwdrivers</li> <li>ParaMon Pro X</li> <li>All types of controllers with digital IO's</li> </ul>	<ul style="list-style-type: none"> <li>BM and BMT wireless screwdrivers</li> </ul>	<ul style="list-style-type: none"> <li>MD and MDT screwdrivers</li> <li>ParaMon Pro X</li> <li>All types of controllers with digital IO's</li> </ul>
ACCESSORIES	All types of bits half-moon, hex. 1/4" (max. Ø 19 mm, length of 49 to 250 mm)	All types of steel bits	All types of steel bits	All types of sockets (Ø max. 40 mm)
CAPACITY	5 / 10 slots	4 / 8 / 12 / 16 slots	8 slots	4 / 8 slots
POWER SUPPLY	Wired	Wired	Battery	Wired

# BIT TRAYS

## BIT TRAY COLOR ID BS-5C

WIRED



COLOR ID BS-5C

COLOR ID BS-5C  
with extension



### Zero error

- Color-coded bits.



### Easy adjustment

- Self-learning of bit color for each slot.
- Free program assignment for each bit.
- Multilingual configuration.



### Compatibility

- Suitable for all types of bits: half-moon, hex. 1/4", (max. Ø 19 mm, length from 49 to 250 mm).



### Ergonomics

- Horizontal or vertical mounting.
- Adjustable tilt.
- Visibility of bit footprint.
- Illuminated rings around the slots for intuitive selection.
- OLED display.

## ► INTELLIGENT COLOR CODING

Easily setup, the Color ID BS-5C bit tray automatically memorizes which bit is assigned to which slot.

It guides the operator to ensure the right match between selected bit and tightening program, thanks to color identification. A unique process with a minimum of 5 colors up to 7 colors.

The Color ID BS-5C bit tray can be used in two different ways: either it tells the operator which bit to use to carry out the assembly operation, or it selects the tightening program linked to the bit when the operator picks it.

Thanks to the possibility of adding an extension to the main box, the Color ID BS-5C bit tray can double its capacity from 5 slots to 10 slots.

Its self-learning configuration requires no machining, coding or factory setting like most bit trays.

The correct bit is always assured by color recognition.

## FEATURES

### Bit tray

#### Color ID BS-5C bit tray

##### Standard EU plug

Supplied without bit holders.

Included 100-240 V 1 A / 24 VDC power supply and 20 heat-shrink color sleeve samples.

Dimensions: length 280 mm, height 62 mm, depth 170 mm

Code: **P100431**

#### Color ID BS-5C bit tray

##### Standard UK plug

Supplied without bit holders.

Included 100-240 V 1 A / 24 VDC power supply and 20 heat-shrink color sleeve samples.

Dimensions: length 280 mm, height 62 mm, depth 170 mm

Code: **P174055**

#### Color ID BS-5C bit tray

##### Standard US plug

Supplied without bit holders.

Included 100-240 V 1 A / 24 VDC power supply and 20 heat-shrink color sleeve samples.

Dimensions: length 280 mm, height 62 mm, depth 170 mm

Code: **P174056**

#### Extension BS-5C - Color ID BS-5C bit tray

To extend a standard Color ID BS-5C bit tray.

Supplied without bit holders.

Power supply on main tray.

Dimensions: length 280 mm, height 62 mm, depth 170 mm

Code: **P104233**

### Bit holders

#### BS-5C blank bit holder

Supplied with locating pin.

Can be kept blank to close off a slot or custom drilled to bit diameter.



Code: **P101220**

#### BS-5C bit holder for Hex. 1/4"

Supplied with locating pin.

Bit holder diameter: 8.5 mm



Code: **P100498**

### Connection cables

MDC / MDTC controller cable - 3 m	Code: <b>P100284</b>	DPC Touch cable - 3 m	Code: <b>P103804</b>
MDC / MDTC controller cable - 5 m	Code: <b>P113020</b>	Stanley Alpha V controller cable - 3 m	Code: <b>P136909</b>
DB25/Open controller cable - 5 m	Code: <b>P100738</b>	BS-5C cable - ParaMon Pro X sub D 44P	Code: <b>P106624</b>
Cable multi BS-5C Open IO-Box Pro X - 5 m	Code: <b>P204964</b>		

### Color sleeves

#### 100 colored heat-shrink sleeves kit

20 x 5 different colors (red, green, blue, yellow and violet) and various diameter.

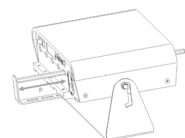


Code: **P101066**

### External stop for long bits between 200 and 300 mm

#### Support for external stop bracket

(1 per BS-5C)



Code: **P174053**

#### External stop bracket length 140 mm

(1 per slot)

Code: **P174054**

### Spare parts

#### BS-5C transparent front protective housing

Spare part



Code: **P103432**



## BIT TRAY BST-LCD

WIRED



### Large capacity

- 4 models from 4 to 16 slots, lay on workbench.
- Small footprint.



### Easy adjustment

- Screen for easy set-up of the bit tray.
- Bits can be linked directly to a tightening program (1 to 1 selection) or freely according to a matching table.



### Compatibility

- Suitable for all types of steel bits and all screwdrivers.



### Ergonomics

- All bit trays feature an AMOLED color display for easy access to the various menus.



## FOR INTELLIGENT RAMP UP OF TIGHTENING PROCESSES

Ranging from 4 to 16 slots, and with different bit holder diameters, the BST-LCD bit tray works with all electric screwdrivers and other devices using 24 VDC inputs/outputs.

It will ensure you an incomparable quality of work.

How does it work?

It could not be easier!

Two working modes are available:

1. «Master» mode: selection of a bit by the operator activates a program.
2. «Slave» mode: the operator picks up the correct bit by activated LED (selecting the wrong bit locks the screwdriver).

The BST-LCD uses inductive sensors to detect the presence of the bits.



Bit tray	
<b>BST-4 LCD bit tray</b> Supplied without bit holder. Included 230 VAC / 24 vdc, 1A power supply. Dimensions: length 220 mm, height 55 mm, depth 120 mm	Code: <b>P101335</b>
<b>BST-8 LCD bit tray</b> Supplied without bit holder. Included 230 VAC / 24 vdc, 1A power supply. Dimensions: length 220 mm, height 55 mm, depth 120 mm	Code: <b>P100637</b>
<b>BST-12 LCD bit tray</b> Supplied without bit holder. Included 230 VAC / 24 vdc, 1A power supply. Dimensions: length 320 mm, height 55 mm, depth 120 mm	Code: <b>P104924</b>
<b>BST-16 LCD bit tray</b> Supplied without bit holder. Included 230 VAC / 24 vdc, 1A power supply. Dimensions: length 420 mm, height 55 mm, depth 120 mm	Code: <b>P105704</b>

Bit holders (thermoplastic polyoxymethylene - POM)			
Bit holder ø 18 mm	Code: <b>P112988</b>	Bit holder ø 7.5 mm	Code: <b>P101221</b>
Bit holder ø 15 mm	Code: <b>P137305</b>	Bit holder pre-drilled ø 3 mm	Code: <b>P104894</b>
Bit holder ø 10 mm	Code: <b>P112712</b>	Bit holder to be machined	Code: <b>P100402</b>

Connection cables			
MDC / MDTC controller cable - 3 m	Code: <b>P100284</b>	DB25/Open controller cable- 5 m	Code: <b>P100738</b>
MDC / MDTC controller cable - 5 m	Code: <b>P113020</b>	DPC Touch interface cable - 3 m	Code: <b>P103804</b>
SDC/HDC controller cable - 3 m	Code: <b>P112468</b>	Stanley Alpha V controller cable - 3 m	Code: <b>P136909</b>
SDC/HDC controller cable - 5 m	Code: <b>P137306</b>	USB cable/BST series - ParaMon Pro X	Code: <b>P105835</b>



## BIT TRAY BST-8W LCD - WI-FI

### BATTERY



#### Ergonomics

- Screen for easy set-up of the bit tray.



#### Easy adjustment

- This bit tray does not require a screwdriver controller.
- Direct communication from bit tray to screwdriver.



#### Compatibility

- Suitable for all types of steel bits and BM/BMT series wireless screwdrivers.



#### High mobility

- The bit tray is easy to move on the workstation.



### COMBINES PERFORMANCE AND FREEDOM OF MOVEMENT

This bit tray is a real asset to your assembly line, with its Wi-Fi and battery operation.

Dedicated to BM and BMT series, wireless screwdrivers, the BST-8W LCD bit tray assigns a program to a bit.

Selection can be made by the screwdriver or by the tray, depending on the desired operating mode.

Setup is simple, with a button-operated display giving access to all menus.

What's more, it doesn't require a controller.

Communication is direct between the BST-8W LCD and the BM screwdriver, through a Wi-Fi access point.

Coding is accomplished mechanically with bit diameter like the BST-LCD.

The tray uses inductive sensors to detect bit presence.

Bit tray	
<b>BST-8W LCD bit tray</b> Supplied without bit holder. Battery-powered not included. Dimensions: length 300 mm, height 55 mm, depth 120 mm	Code: <b>P112477</b>

Not compatible with ParaMon Pro X controller

Necessary accessories	
<b>BL25201 battery</b> 25.2 V, 3 Ah	Code: <b>P100254</b>
<b>Battery charger</b> 230 VAC	Code: <b>P100147</b>
<b>WiFi access point</b> 2.4 GHz, 230 VAC Dimensions: length 50 mm, height 20 mm, depth 50 mm	Code: <b>P111954</b>

Bit holders (thermoplastic polyoxymethylene - POM)			
Bit holder ø 18 mm	Code: <b>P112988</b>	Bit holder ø 7.5 mm	Code: <b>P101221</b>
Bit holder ø 15 mm	Code: <b>P137305</b>	Bit holder pre-drilled ø 3 mm	Code: <b>P104894</b>
Bit holder ø 10 mm	Code: <b>P112712</b>	Bit holder to be machined	Code: <b>P100402</b>



# SOCKET TRAYS

## SOCKET TRAYS ST LCD

WIRED



ST-8 LCD



ST-4 LCD



### Highly compact

- These socket trays come with 4 and 8 slots.
- Small footprint.



### Compatibility

- Suitable for all types of sockets up to 40 mm diameter.



### Ergonomics

- Screen for easy setting of socket tray parameters.



### Easy adjustment

- Matching of sockets with tightening program, can be direct 1 to 1 or free following a matching table.



## A COMPACT SOLUTION

The ST LCD socket trays secure your tightening processes.

Compact, they are easy to install and take up little space on the workstation.

As with similar models of DOGA bit trays, coding is mechanical and detection is by inductive sensors.

The tray locks the screwdriver and emits a visual signal when the selected socket does not correspond to the chosen program.

The selection of torque associated with the socket is made automatically, minimizing selection errors. It is an essential piece of equipment for facilitating your tightening operations and providing precision and speed.



## FEATURES

Socket tray			
<b>Socket tray ST-4 LCD</b> Supplied with 4 bit holders. Included 230 VAC / 24 vdc, 1A power supply. Dimensions: length 240 mm, height 55 mm, depth 160 mm			Code: <b>P175737</b>
<b>Socket tray ST-8 LCD</b> Supplied with 8 bit holders. Included 230 VAC / 24 vdc, 1A power supply. Dimensions: length 460 mm, height 55 mm, depth 160 mm			Code: <b>P204125</b>
Cables			
MDC / MDTC controller cable - 3 m	Code: <b>P100284</b>	DB25/Open controller cable - 5 m	Code: <b>P100738</b>
MDC / MDTC controller cable - 5 m	Code: <b>P113020</b>	DPC Touch cable - 3 m	Code: <b>P103804</b>
SDC/HDC controller cable - 3 m	Code: <b>P112468</b>	Stanley Alpha V control cable- 3 m	Code: <b>P136909</b>
SDC/HDC controller cable - 5 m	Code: <b>P137306</b>	USB cable/BST series - ParaMon Pro X	Code: <b>P105835</b>

# ACCESSORIES

**Our ranges of sockets, bits and accessories meet two criteria: richness and quality.**

Wherever they are used, screws and nuts of all shapes and materials find their sockets, bits and other accessories in hexagonal or square outlets.

Forged from the finest steels and regularly inspected, they offer consistent quality. See all our products by scanning the QR Codes below.

## INDUSTRIAL BITS



- Bits
- Special bits
- Bit holders
- Accessories

Designed for the most demanding industrial applications, our range of industrial bits is one of the most comprehensive on the market.

The range includes a wide variety of standard and custom bits (footprints/drives), as well as bit holders, adapters and accessories.

[> Learn more about our industrial bits](#)



## IMPACT SOCKETS



- Standard
- Tailor-made

Available as standard in square drives from 1/4" to 2 1/2", impact sockets are designed for the most extreme torque and speed applications.

The square drive transmits all the power to the tool while preserving the life of the sockets.

[> Learn more about our impact sockets](#)



# 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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