

User manual

**PNEUMATIC SCREWDRIVERS**  
**DSE-STP serie**

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**EN**

60502-10/23

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## REMARKS ABOUT THE MANUAL

### Symbols



#### Information

This warning statement indicates important information (for example: damage to property), but no hazard.



#### Information

Information to view in your customer area on the [www.doga.fr](http://www.doga.fr) web site.



#### Caution

This warning statement indicates a low risk that may lead to minor or moderate injuries if not avoided.



#### Wear personal protection equipment

This symbol indicates the need to wear protective gloves.



#### Warning

This warning statement indicates a moderate risk that may lead to severe or fatal injuries if not avoided.

# 1. INFORMATION

## 1.1 IMPORTANT

The tool supplied with this manual may have been modified to meet specific needs.

If this is the case, when ordering a replacement or spare parts, please indicate the tool item code and serial number written on shipping note, or contact **DOGA** at **+33 1 30 66 41 41** indicating the approximate delivery date.

In this way, you will be sure to get the required tool and/or parts.

## 1.2 Product reference

<b>Description</b>	Pneumatic screwdriver DES-STP
<b>Model</b>	A60G2500

## 1.3 Product description

This product has been designed for installing and removing threaded fasteners in wood, metal and plastic.

No other use is permitted. For professional use only.

## 1.4 Main features

Direct driver type

Composite material for the tools. Light weight.

Non- section switch lever design and easy to press the lever. Pressing switch lever to control the speed

Handle exhaust design to reduce the noise and dust rebound

## 1.5 Specifications

Screw size	4 mm
Free speed	2500 rpm
Air consumption	283 l/min (10 cfm)
Stall torque	6 Nm (4.4 ft-lb)
Overall length.	155 mm (6.1 inch)
Air inlet	1/4 P.T
Net weight	0.9 kg (1.98 lb)
Sound level	88 dB(A)

## 2. INSTALLATION

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- The tools perform best with a dynamic inlet pressure close to 6.3 bar (90 PSI), a value that should not be exceeded. A regulator must be used to adjust the air pressure when the supply pressure exceeds 6.3 bar.
- Use clean, dry compressed air (dew point between +2° C and +10° C) against damage from dirt and rust formation. DSE tools are designed to operate with dry air but vane life will be shorter.
- It is advisable to fit a filter/lubricator assembly between the power supply plug and the tool inlet connection, particularly when working at high torque, speed and cycle rates, as well as when performing very elastic tightening. It is important to use only good quality mineral oil that is very fluid and free from acid elements or carbon residues or resinous particles.
- Make sure that fittings and connections are the correct size.
- The supply hose must be resistant to oil and abrasion and must be suitable for the operating pressure of the tool.
- Connect the supply hose to the tool before opening the air supply.  
Do not use damaged, worn or deteriorated hoses.
- Failure to comply with the technical operating parameters (air pressure, diameter of supply tube, etc.) may result in damage to the tool and constitute a risk to the operator.

## 3. RECOMMENDED USE

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- Make sure that the part to be screwed or unscrewed is held securely.  
It is advisable to use a DOGA reaction arm doc no. 40038 when the reaction torque is greater than 4 Nm for straight tools, and greater than 10 Nm for tools with a handle.
- The handles used to grip the tool are designed for everyday use and protect against extreme temperatures. The temperature of the handles can drop in cold weather and can accelerate the risk caused by vibrations. In cold weather, wear gloves to keep your hands warm.

## 4. OPERATION

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### 4.1 Starting up

- Lever- or trigger-operated models: press the lever or trigger.
- Push-start models: direct feed; simply apply 2-3 kg of pressure to the nozzle.

### 4.2 Reversing direction of rotation

- Clockwise rotation is obtained on the position marked with an R.
- Counter-clockwise rotation is obtained on the position marked with an L.

## 5. MAINTENANCE

### 5.1 Maintenance

Please maintain tools according to DOGA preventive maintenance guidelines.

Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool operation.



#### Warning

**If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.

### 5.2 Spare parts

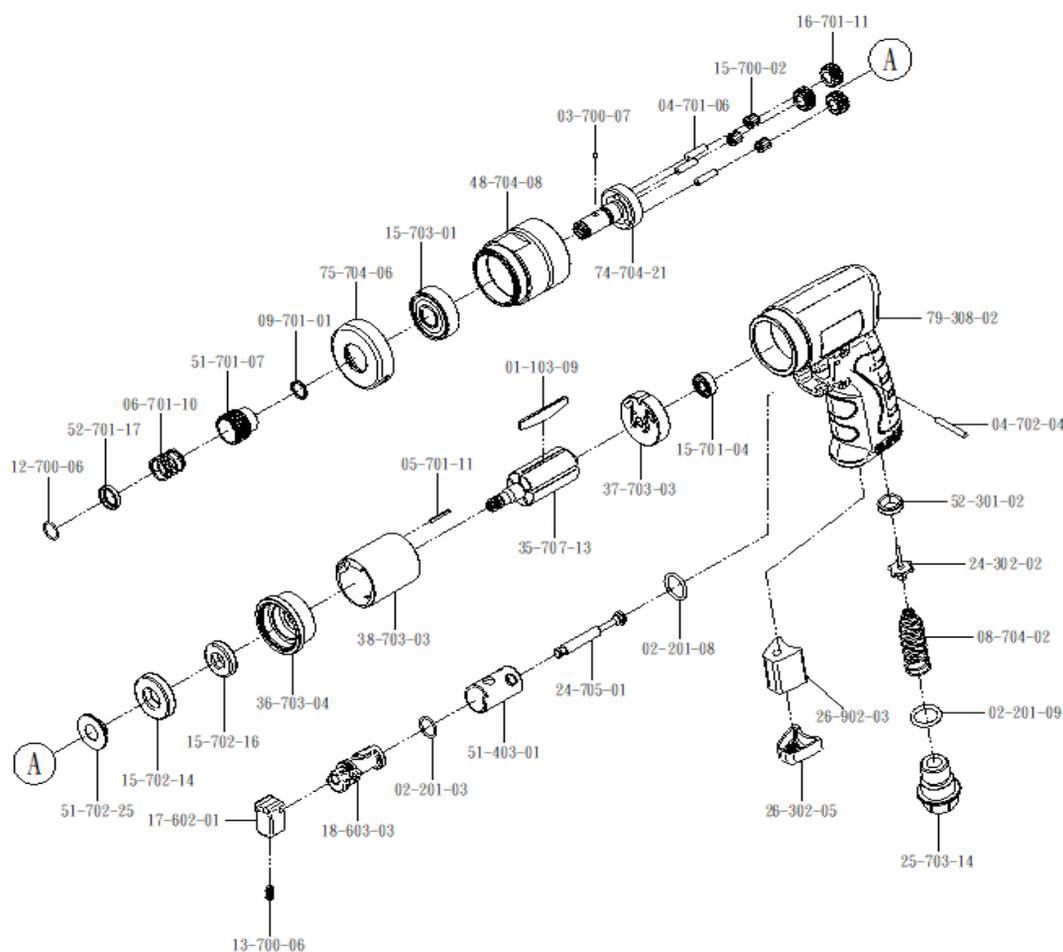
When repairing a tool, use only original spare parts. Use of unauthorized parts or no respect of maintenance instructions may create a risk of electric shock or injury.

For any spare parts order, contact your DOGA technical sales representative.

Indicate the model of your screwdriver and serial number.

### 5.3 Spare parts list

No.	Description	Qty	N°	Description	Qty	No.	Description	Qty
01-103-09	Rotor blade	5	15-700-02	Ball bearing	3	35-707-13	Rotor	1
02-201-03	O-ring (P11x1.5)	1	15-701-04	Ball bearing (696-2Z)	1	36-703-04	Font plate	1
02-201-08	O-ring (P14x1.9)	1	15-702-14	Ball bearing (R8)	1	37-703-03	Rear plate	1
02-201-09	O-ring (P14)	1	15-702-16	Ball bearing (R6)	1	38-703-03	Cylinder	1
03-700-07	Steel ball (φ3.175 mm)	1	15-703-01	Ball bearing (6201-2Z)	1	48-704-08	Gear ring	1
04-701-06	Pin (φ4x16)	3	16-701-11	Gear	3	51-403-01	Bushing	1
04-702-04	Pin (φ3x24)	1	17-602-01	Switch lever	1	51-701-07	Bushing	1
05-701-11	Pin (φ2x16)	1	18-603-03	Reverse valve	1	51-702-25	Bushing	1
06-701-10	Spring	1	24-302-02	Valve rod	1	52-301-02	Washer	1
08-704-02	Spring	1	24-705-01	Valve rod	1	52-701-17	Washer	1
09-701-01	Stopping wheel	1	25-703-14	Air inlet (PT)	1	74-704-21	Driving rod	1
12-700-06	Retaining ring	1	26-302-05	Muffler	1	75-704-06	Front cap	1
13-700-06	Screw	1	26-902-03	Muffler	1	79-308-02	Handle	1



## 5.4 Hotline

### 11.5.1 For any information regarding the use of the tool

Please contact your Technical Salespeople.



#### **My client area on [www.doga.fr](http://www.doga.fr)**

Go to your client area on [www.doga.fr](http://www.doga.fr), click “Your contacts”, then select your **Technical Salespeople** depending on the tool type.

### 11.5.2 For any information regarding troubleshooting

Please contact your After-Sales contact.



#### **My client area on [www.doga.fr](http://www.doga.fr)**

Go to your client area on [www.doga.fr](http://www.doga.fr), click “Your contacts”, then select your **After-sales department contact** depending on the device type.

If our technician can remotely determine the origin of the fault, he will tell you what to do to allow you to repair it by yourself as far as possible.

## 5.5 After-sales Returns

All material must be returned with a after-sales service return form, that you must complete and attach to your package.

The repair, maintenance or adjustment service can only start at the receipt of this form.

### Information



Following this procedure allows you to quickly take charge of your request and reduce the troubleshooting costs.

DOGA reserve the right to apply a trade-in discount and to invoice, if applicable, the costs of repairing and packaging.

### 5.7.1 Download the after-sales return form

You can download the return form by following this link:

<http://service.doga.fr/syst/dogatech.nsf/liste/00184>

### Information



You can use your own after-sales service return form as long as it contains all the information necessary to take care of your equipment.

### 5.7.2 Send your equipment

The returned package must be postage paid to the following addresses depending your transport mode::

Postal Packages	Carrier Packages
DOGA - Service SAV 8, avenue Gutenberg - CS 50510 78317 Maurepas Cedex FRANCE	DOGA - Service SAV 11, rue Lavoisier 78310 MAUREPAS FRANCE

## 5.6 On-site repair

Even though it seems convenient, on-site repair is seldom the best solution for transportable equipment. The conditions in which the technician will work are worst than in our workshops and technician travel expenses are costly.

If you require an on-site intervention, please contact the After-salesdepartment.



### My client area on [www.doga.fr](http://www.doga.fr)

Go to your client area on [www.doga.fr](http://www.doga.fr), click “Your contacts”, then select your specific **After-sales contact** depending on the device type.

Our services will organize the intervention.

## 5.7 Warranty

DOGA guarantee all his products against any defect in parts or fabrication for a period of **12 months**.

To benefit from the parts and labor warranty, the following conditions must be respected:

- The tool must have been used in a professional use and in accordance with the normal conditions of use described in the instruction manual.
- The tool must not have suffered any damage from storage, maintenance or improper handling.
- The tool must not have been adapted or repaired by unqualified persons.
- The use of non-original spare parts will invalidate the warranty.

## 6. SAFETY

### 6.1 General dispositions



The instruction manual must be carefully stored in a known place and easily accessible to the potential users of the product.



#### Warning

Read this manual and have each operator read it carefully before installing, using or repairing.

Most accidents can be avoided by following the instruction manual.

These rules have been drafted with reference to the European Directives and their various amendments as well as standard rules product.

In each case, respect and comply the National Safety Standards.

- **Make absolutely sure that the operator has fully understood the rules of use** and the meaning of any symbols affixed to the product.
- **Do not remove or damage the labels and annotations** affixed to the product, more particularly those imposed by the law.
- **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
- **Don not force tools.** The tool will be damaged easily and quickly if over-load over 15 seconds.
- **Use only accessories that are recommended by the manufacturer for your model.**  
Accessories that may be suitable for one tool, may become hazardous when used on another tool.
- Always use the proper pressure at air inlet. Apply either less or exceed air inlet pressure will affect the performance of the tools, including quality, torque, function and life, then lead to damage.  
Air inlet pressure standard: 0.5Mpa ~ 0.6 Mpa (5.2 kg/cm<sup>2</sup> ~ 6.2 kg/cm<sup>2</sup>)
- Always add oil about 0.5 ~ 1cc at air inlets at least every week to maintain the performance and the life of the impulse tools.
- Always use the proper length of air house. The length of air hose shall not exceed 5 m, or the pressure reduces. Make sure the air inlet pressure is in between the standard number (0.5 Mpa ~ 0.6 Mpa) before operating tools.
- Install the safety buckle to avoid tools drop while operating in high position.
- Never contact with any electricity conducted objects to avoid electricity shock hazard.

## 6.2 Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- **Dress properly.** Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
- **Beware of the risk of accessory breakage and flying fragments.** Inappropriate movement of the tool may injure the operator.
- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
- **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, protective gloves or hearing protection must be used for appropriate conditions.
- **Use appropriate hearing protection** (hard hat and/or hearing aid). Tools are a source of noise, both during use and as a result of the production process. Hearing protection is mandatory when noise levels exceed 85 dBA at the operator's workstation.
- **Be careful not to accidentally start the tool** by lifting or setting it down, as this could cause injury.
- **Keep onlookers, children and visitors away while you're working with a tool.** They could distract you and cause you to perform the wrong maneuver.
- **Store idle tools out of reach of children and other untrained persons.**  
Tools are dangerous in the hands of untrained users.
- We recommend a health monitoring program to detect early symptoms related to noise or vibration exposure, and to modify working conditions to help prevent future disorders.

### 6.3 Residual risks

- **Risk of injury**  
Moving components can cause injury. It is advisable to wear protective equipment during handling.
- **Risk of Musculoskeletal Disorders**  
Actual exposure values and risk of injury depend on the user and his/her physical condition, the work method used, the workpiece, the design of the workstation and the exposure time.
- **Projection risk**  
Excessive lubrication can cause damage to the operator, by spraying lubricant into the environment. When handling lubricants, wear suitable waterproof clothing.  
Clothing soiled by lubricant must be changed.  
In case of ingestion or eye contact, seek medical advice immediately.
- **Noise risk**  
This risk depends not only on the noise level, but also on the duration of exposure.

### 6.4 Contra-indications

- Do not cover.
- Do not immerse.
- Do not expose to splashing liquids.
- Do not expose to dusty environments.
- Do not use near to a heat source.

## 7. STANDARDS

### 7.1 Manufacturer details

**Importer:** DOGA  
**Address:** ZA Pariwest  
 8 avenue Gutenberg CS 50510  
 78317 MAUREPAS CEDEX - FRANCE

### 7.2 Markings

DES-STP	Designation of equipment
Type	Equipment reference
Serial No MM/YYYY XXXX	Serial number with Month/Year of production
	Name of the equipment manufacturer
DC 25.2V	Electric power
	Equipment designed and manufactured in accordance with the requirements of European Directives <b>EN 11148-6 : 2012, EN 28927-2, EN ISO 15744 : 2008</b>

### 7.3 Transport and storage



#### Information

Your equipment can be damaged if you store it or transport it improperly. Observe the transport and storage information for your equipment.

#### 7.3.1 Transport

Use a suitable container to transport the unit and protect it during shipment.

#### 7.3.2 Storage

Respect the following guidelines before each storage:

- Turn off and disconnect the air supply.
- Clean the tool according to the user manual (Maintenance Chapter).
- Store it in a suitable container to protect it from dust and direct sunlight.
- Store it in a dry place at an ambient temperature, below 40°C.

### 7.4 Recycling and end of service life

The tools are made up of steel, cast iron, brass and plastic parts. When disposing of them, make sure they do not pollute.

Download the ultimate version of this manual via  
this link here below or via QR code:  
<http://service.doga.fr/syst/dogatech.nsf/liste/60502>

