

Operating Instructions



Pneumatic Blind Stapler **TOP SP EH 11 / TOP SP EH 18**

IMPORTANT

Before the first commissioning read this manual thoroughly and completely and keep it in a safe place.

Observe and follow the safety instructions and only use the machine if you are sure that you have completely understood all the instructions.

Failure to comply can lead to injuries!

If you have any questions, contact the manufacturer

MEZGER Heftsysteme GmbH
Saganer Straße 24
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Germany

Pneumatic Blind Stapler

Type/description:

See label on tool

Preface

It is necessary to acquire the knowledge conveyed by this ORIGINAL-OPERATING INSTRUCTION for a safe operation. The information is presented in brief and clear form. The chapters are sorted by numbers.

The operating instructions must be kept in a safe place and should always be kept close to the tool.

Copyright



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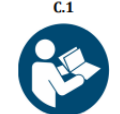

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1 Safety instructions

Safety instructions and important explanations, are labeled with the following pictograms. The symbols used in the operating instructions have the following meaning:

Symbol	Signal word	Meaning
	Warning notice	Warning of possible injuries to persons or possible damage to property Warning of possible defects or destruction of the machine
	Prohibition	Indicates general prohibitions!

Symbol	Signal word	Meaning
	Warning notice	Risk of fingers being crushed!
	Prohibition	Protect from moisture!
	warning notice	Risk of fingers being crushed!
	warning notice	Warning of cut and puncture hazard!
	warning notice	Read and understand the device labels and manual. Failure to heed the warnings could result in serious injury!
	warning notice	Users and third parties in the work area must wear impact resistant eye protection with side shields!

Read all these instructions before using the stapler and keep the safety instructions in a safe place. Safety on the well.

The operating personnel must be trained in the handling of the stapler and they must have fully read and understood the operating instruction.

To avoid injury or damage, the operator must additionally observe the company's internal safety guidelines!

In addition, we would like to refer to further national rules and safety provisions which are not contained in this manual.



Keep persons who are not instructed, especially children, away from the machine and from your work area!

If damage to the stapler is determined by the operator during production, the machine may no longer be used and must be repaired by a professional!

The necessary personal protective equipment (goggles, cut-resistant gloves) must be provided by the operator.

Only original parts may be used as spare parts!

2 Warranty and liability

Our “General Terms of Sale and Delivery” shall generally apply” These terms were made available to the operator by the time of contract award at the latest.

Any warranty and liability claims in the case of personal and material damage shall be excluded, if such damage occurred as a result of:

- Improper use of the tool (not in compliance with intended use).
- Non-compliance with the specification provided in the operating instructions as regards transport, storage, assembly, commissioning, operation, maintenance and setup of the equipment.
- Operation of the tool with defective safety equipment or improperly installed or non-functional safety and protection facilities.
- Improper monitoring of tool parts which are subject to wear and improperly executed repair work.
- Any type of manipulation of the tool.

3 Intended use

It is a tool with single release.

The machine is **only** to be used as intended. It may only be used, operated and maintained according to the information contained in this operating manual.

Only materials and staples defined for this machine may be used, as this could otherwise lead to malfunctions. The stapling machine may only be used as specifically described in this operating manual. Any other application is only permitted after a prior written approval from the manufacturer.

Any other usage is not regarded as intended use and can lead to damage to persons or property. The operator of the machine is solely liable for damages deriving from any non-intended use.

The operator must ensure that the stapling machine is only operated as intended and that all types of hazards to life and health for the user or third parties are avoided. In addition, a compliance with the accident prevention regulations and other safety regulations and laws must be observed.



If the stapler is abused for purposes other than the specified usage scenarios, this can lead to accidents

4 Ambient conditions

The machine should be operated at room temperature, protected against environmental influences. Use within an explosive atmosphere is permitted only with prior consent and written permission of the manufacturer.

The noise emission is less than 70 dB(A).

Gases foreign to the atmosphere are not released during tacking.

There are no harmful vibrations: $a_{hv,max} < 2,5 \text{ m/s}^2$

5 Operating personnel

Only trained, competent personnel who have read and understood the operating instructions and can assess the dangers of handling are permitted to operate the device.

6 Transport and initial commissioning

The stapling machine is delivered completely assembled and can be transported as a whole. Transportation equipment can also be used for transporting the machine.

Before the stapler is put into operation, please read all instructions in this manual. This stapling machine may only be put into operation by trained personnel.

To make the stapler ready for operation after delivery, the following tasks must be carried out:

- Check the equipment for completeness
- Insert the staples (s. Chap. 13).



When the stapling tool is ready for operation, it is prohibited to touch the stapling ejection opening or the running stapler! DANGER OF INJURY!

7 Fundamental notes on the work technique and handling

Before the operator uses the stapler, he must inform himself about the respective application and check whether the stapler is suitable for it.

Pay close attention to all safety instructions!



**Make sure that the stapler is not damaged and can be operated safely!
It is recommended to wear cut-resistant gloves for all work!**

The operationally safe condition of the stapler must be checked before starting work and continuously!

Safety devices must not be circumvented or rendered ineffective!

Keep your work area tidy.

Clutter in the work area can lead to accidents.

- Only use ORIGINAL staples that have been specially manufactured for this quality device. Third-party clips can lead to malfunctions and considerable damage.
- Never staple without staples. Do not remove the stapler until stapling is complete.
- Do not staple onto a hard surface.
- If a stapling problem occurs, rectify this immediately and never trigger further stapling.

8 Scope/Intended Use

The stapler may only be used only for the following purposes:
for stapling single and double corrugated cardboard.

Do not staple into hard (e.g. metal plates, nails, etc.) and brittle materials.
This can damage the stapler.

9 Decommissioning

Notice of residual risks



Protect the machine from moisture!
Do not operate the machine in a humid environment!
Only operate the machine within buildings!

10 Maintenance and care



Any kind of modification to the stapler is only permitted with the prior consent and written approval of the manufacturer!
Any kind of manipulation of the safety device(s) is prohibited!



Wear protective equipment such as cut-resistant gloves and eye protection for all maintenance work! RISK OF INJURY!

In order to maintain the operational readiness and functionality of the stapler, this must be done by the checked and cleaned regularly by the operator or by qualified personnel.

Check area	Activity / Check	D	W	M	Y	Area
Working area and vicinity	cleaning		•			Total stapling area
Stapling unit	Cleaning / check		•			Stapling area
Stapling unit	cleaning and light oiling		•			
Loading area	cleaning / check		•			

D = daily / **W** = weekly / **M** = monthly (6M = every 6 month) / **Y** = yearly

The stapler is easy to maintain, but should be cleaned and serviced regularly. Dirt must be removed directly by the operator after processing.

Appropriate care helps to keep the stapler in a functional condition over the long term. The stapler should be thoroughly cleaned at least once a week.

- No aggressive cleaning agents or solvents (damage seals) or even emery paper can be used for cleaning.
- Cleaning with compressed air should also be avoided as dirt particles are involved get into the sealing areas and damage them.
- Do not use fluffy cleaning wool for cleaning work.

Only ORIGINAL spare parts may be used. (see "Spare parts list".)

In the event of non-compliance, any warranty claim or liability is excluded!

All technical equipment, especially the safety equipment, must be checked by specialists after repairs.

In order to maintain the operational readiness and function of the stapler, it must be checked and cleaned regularly by the operator or by qualified personnel.

11 General/Function

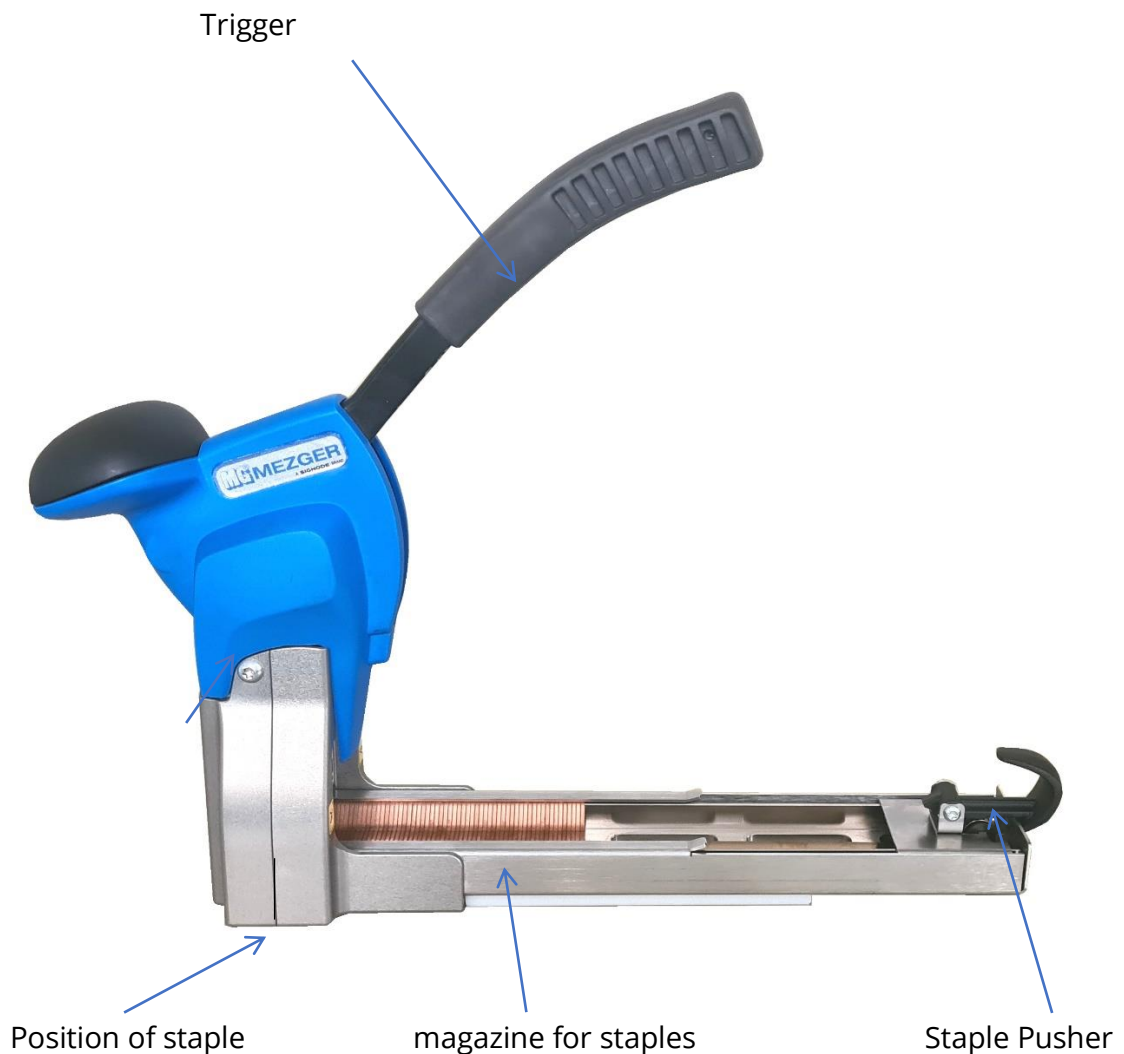
Carton stapler for fast and stable blind stapling of filled folding boxes made of corrugated cardboard. Loading capacity 120 TOP staples.

The blind staplers TOP is used to close filled folding boxes made of single and double corrugated cardboard. The TOP staple to be used is selected for the respective cardboard quality. When blind stapling, the staple should bend within the bottom layer of cardboard without piercing it. This prevents damage to the packaged goods. If the packaged goods cannot be damaged, continuous stapling can also be used, i.e. the staple bends over outside of the bottom layer of cardboard.

The TOP blind stapler can also be used to staple the bottom of empty folding boxes. The stapler is inserted into the empty folding box and stapled from the inside out, or the empty folding box is placed over a staple pad (available on request) and stapled from the outside in. If the empty folding box is filled and the lid is stapled, the bottom can also be stapled like the lid after turning it over.

The stapler is placed on the box to be closed and triggered. The staple emerges from the staple opening, penetrates into the carton, where it is bent and anchored in the carton. The stapler may only be lifted from the box after the staple has been bent in the box, i.e. has left the stapler completely. Otherwise damage may occur.

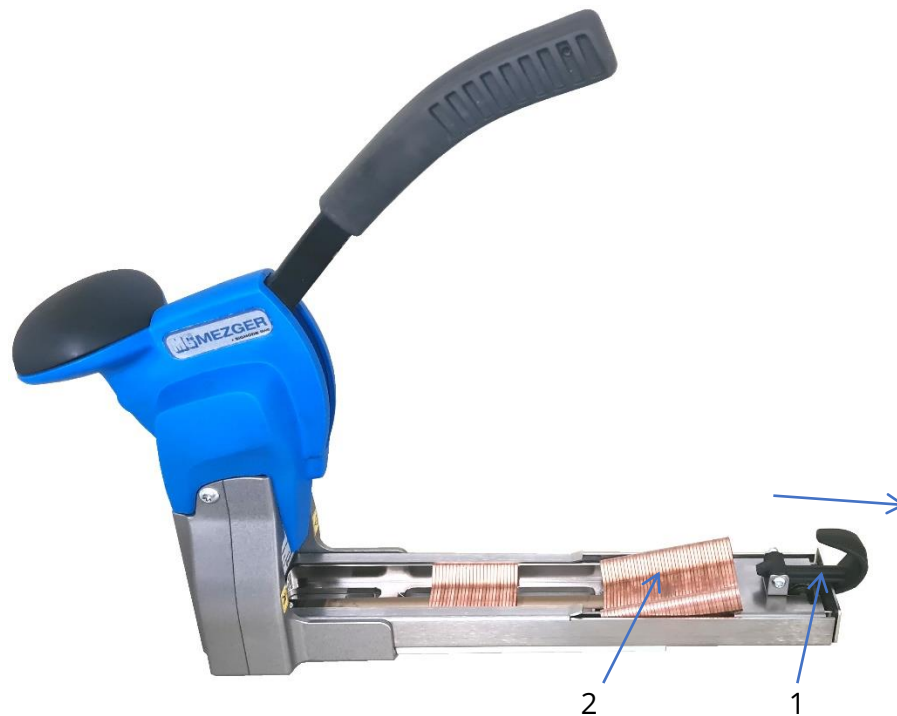
The stapling becomes stronger the harder the stapler is pressed onto the folding box. The stapler should be pressed slightly top-heavy onto the folding box.



The penetration depth of the staples is determined by the type of staple. There is no adjustment for setting the stapler.

12 Loading of Staples

The staple pusher (1) is pulled back to the stop and hooked in. After inserting the 3 staple strips (2) (120 staples), press the staple pusher down and do not bring it into the pressure position like a shot (which will cause the staple strips to break).



13 Error detection

Remove all staples from the stapler and clean the stapler.

- Use a suitable tool to remove visible staples from the staple exit opening. Do not overload or damage the device! In difficult cases, open the magazine and pull out the staples upwards. Make sure the staple exit hole is not damaged.
- Replace damaged or worn stapler.

13.1 *No staple or staple not fully bent or left in the stapler*

Error	Reason	Solution
Staple has jammed in the stapling tool and is not preformed.	Operation too short. Release lever (trigger) not fully pressed.	Press the release lever (trigger) all the way down.

13.2 Removing jammed staples

- Remove **all** the staples from the staple magazine (4), staple ejection (5)
- Loosen (do not remove completely) the four screws (3)
- Clean the tool from dirt and debris
- After maintenance, tighten the four screws (3) again



13.3 Driver change / Conversion to staple TOP SP 11 ⇔ TOP SP 18

(s. according spare parts list)

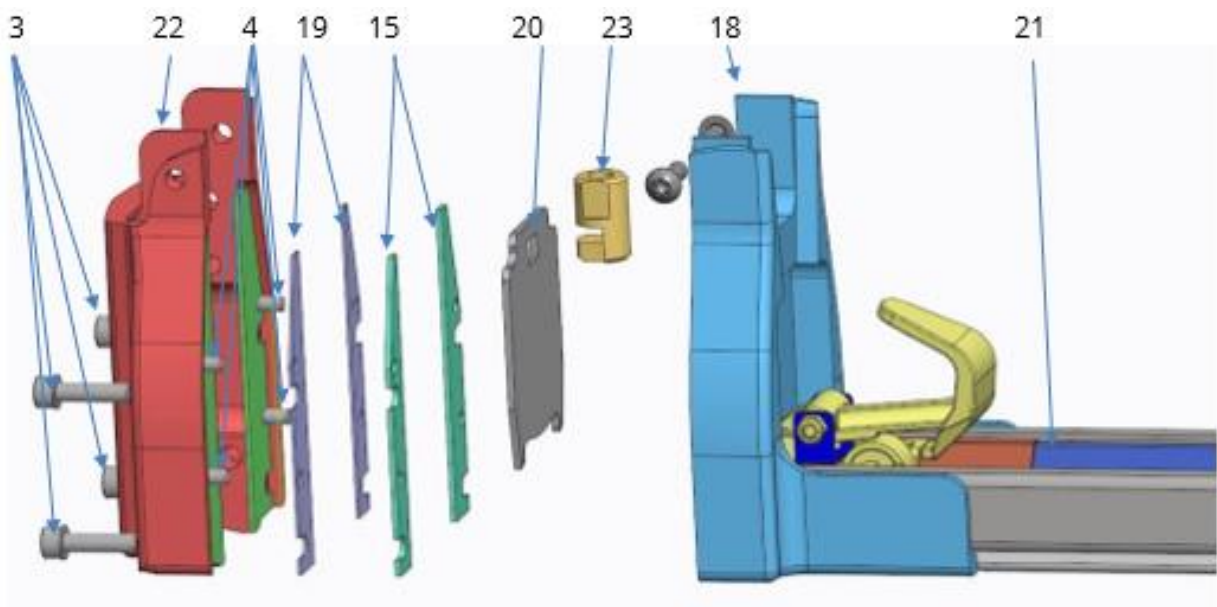
Open the 4x screws (3) and carefully pull the angle holding piece (8 with the staple magazine (21) off the front plate (22).

Then remove the 4x insert plates (above (15) / middle (19)) and the driver (20).

Put the alternative 4 insert plates (above (15) / middle (19)) back on the pins (4) and hook the new/alternative driver (20) back into the couplin rod (23).

ATTENTION: Pay attention to the orientation of the driver (20)! The bevel must point towards the angle holding piece (18)/ staple magazine (21)!

Put the angle holding piece (89) with the staple magazine (21) back on the front plate (22) and fasten with the 4x screws (3).



Videos:

QR-Code:	
Link:	https://mezger.eu/files/downloads/Support_TOP_SP_EH_11%2B18_1224_kompr_02.mp4

14 Technical Data

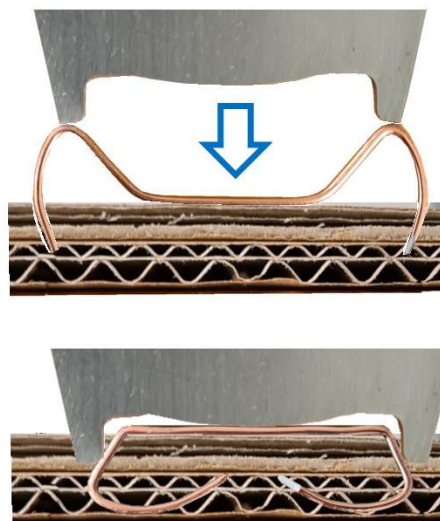
Stapling speed	approx. 0.5 s/stapling
Weight without the staples	approx. 1,90 kg
Length x Width x Height	330mm x 80 mm x 340 mm
Staple for TOP SP EH	TOP SP 11 or TOP SP 18
Capacity:	120 staples
Noise emission:	< 70 dB(A)

TOP SP EH 18 is primarily used for applications involving double corrugated cardboard. The correct staple for this is the TOP SP 18.

For single corrugated cardboard the staple TOP SP 11 can be used with the stapler TOP SP EH 11.

For pneumatic staplers, we supply accessories such as balancers, spiral hoses, maintenance units, swivel arms, compressors, etc. (see INFO: pneumatic accessories).

Blind stapler TOP SP EH 11	for staples TOP SP 11	single corrugated cardboard
Blind stapler TOP SP EH 18	for staples TOP SP 18	double corrugated cardboard



15 Note on residual risks



When the stapler is operational, you must not touch the staple exit or the stapling area!
!RISK OF INJURY!



Protect the stapler from moisture!
Do not operate in a wet or damp environment!
Operate only inside buildings!



- Always inspect the unit for broken, improperly connected, or worn parts before use.
- Wear protective equipment when working on the device:
 - + Cut-resistant gloves that provide proper feel and safe operation of the trigger and all adjustment devices
 - + appropriate safety goggles.
- Never point the stapler at yourself or anyone else
- Keep your fingers away from the trigger when not in use and when moving from one work position to another.
- Keep all parts of the body, such as hands, legs, etc., away from the staple exit opening and ensure that the fastener cannot penetrate any part of the body.
- When using the tool, be aware that the item to be driven may bounce and cause injury.
- Hold the device in a firm grip and prepare for the operating action.
- Use caution when handling with stapling devices, especially when loading and unloading, as items for debt collection have sharp points that could cause injury.
- Don't lean too far. Use only in a safe workplace. Always make sure you have a firm footing and keep your balance.
- Keep third parties away (when working in an area where people are likely to pass through). Clearly mark your work area.
- During operation, ensure that the staples are always correctly inserted into the material and are not deflected or misaligned towards the user and/or third parties.
- During operation, fragments can be ejected from the workpiece or from the stapling or magazine system.
- The risk to others must be assessed by the user.
- Be careful with non-workpiece contact tools as they may trigger inadvertently and injure the user and/or third parties.
- Make sure that the device always sits securely on the workpiece and cannot slip away
- Hold the device correctly to be able to react to normal or sudden movements.
- Stand firmly and keep your balance at all times.
- Slips, trips and falls are the main causes of accidents in the workplace. Pay attention to slippery surfaces caused by using the device and also to the risk of stumbling.
- Proceed with additional caution in unfamiliar surroundings. There may be hidden hazards such as electrical wiring or other utility lines.
- This device is not intended for use in potentially explosive atmospheres and is not insulated from contact with electrical energy.
- It must be ensured that there are no electrical cables, gas lines, etc. which could cause a hazard if damaged by the appliance.

- **Hold the device with a light and secure grip, as the risk of vibration is greater when the gripping force is higher.**

16 Technical Documentation/Service

Repairs performed by:
MEZGER Heftsysteme GmbH
or
authorized professional companies

Damages that are due in particular to natural wear and tear, overloading, improper handling or damage caused by the user or other use contrary to the operating instructions are excluded from the warranty.

Keep the operating instructions, safety instructions, spare parts list and proof of purchase in a safe place.

Order address for spare and wearing parts:

MEZGER Heftsysteme GmbH
Staples, stapling tools and stapling machines

Saganer Straße 24, 90475 Nürnberg/Germany
Telefon: +49 (0)911 / 984 94 0
Telefax: +49 (0)911 / 984 94 30
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16.1 Spare Parts List

s. separate spare parts list