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OPERATING INSTRUCTIONS	Translation of original manual
BRUKSANVISNING	Original bruksanvisning
BETRIEBSANLEITUNG	Übersetzung der Originalbetriebsanleitung
MODE D'EMPLOI	Traduction du mode d'emploi original

JK20A680

From serie no 141334
Från serienummer 141334
Ab Serie-Nr. 141334
A partir du no de série 141334

Pneumatic stapler
Pneumatiskt klammerverktyg
Pneumatisches Klammergerät
Agrafeuse pneumatique



Before using the tool,
read the operating in-
structions carefully.

Läs igenom bruks-
anvisningen noga innan
du använder klammer-
verktuget.

Vor dem Gebrauch des
Gerätes die Betriebs-
anleitung aufmerksam
lesen.

Avant l'utilisation de
l'appareil, consultez
soigneusement le
mode d'emploi.



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TECHNICAL DATA

Weight	1.0 kg (2.2 lbs)
Dimensions	Length 230 mm (9,1") Width 43 mm (1,7") Height 150 mm (5,9")
Magazine capacity	143 staples
Staple leg length	6–14 mm (1/4"–9/16")
Nose length	14 mm (0.5 in.)
Recommended working air pressure	5–6 bar (72–85psi)
Max. air pressure	7 bar (100 psi)
Air consumption per driving operation at 6 bar operating pressure	0.2 litres
Noise characteristic levels according to:	EN 12549
A-weighted single-event emission sound pressure level at work station	85 dB
A-weighted sound energy level	91 dB
Vibration level:	Vibration below the limit of declaration according to EN 792-13 measured according to ISO 8662-11.

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FASTENERS

Staple JK680-06 (1/4")	Art.No 400283
Staple JK680-08 (5/16")	Art.No 400285
Staple JK680-10 (3/8")	Art.No 400288
Staple JK680-12 (1/2")	Art.No 400292
Staple JK680-14 (9/16")	Art.No 400294

DECLARATION OF CONFORMITY



We take sole responsibility for declaring that the stapler JK20A680, to which this declaration refers, is in full compliance with the current requirements of the guidelines laid down by the council on 17th May 2006 (2006/42/EC) "Machine Guidelines".

According to norm:
 ISO 12100:2010; EN 792-13+A1:2008

SE-544 50 HJO, 05.05.2020

Plant Manager:

Thor-Björn Elmers
 Agent for the publication of technical documentation:
 Josef Kihlberg AB, Industrigatan 37B, SE-544 50 HJO

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GENERAL INFORMATION



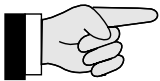
CAUTION!

Used where there is danger to life and health.



WARNING!

Used for danger which can cause material damage.



NOTE!

Used for general information and information which if not followed can cause faults in the operating sequence.

These operating instructions are intended to simplify familiarisation with the stapler and the possibilities of application for the intended purpose. The operating instructions contain important information concerning the safe, proper and efficient use of the stapler. Observation of the information will help to avoid danger, reduce repairs and stoppages and increase the reliability and service life of the stapler.

The operating instructions must always be available at the place of operation of the stapler. They must be read and observed by all persons concerned with work on the stapler. This work specifically includes operation, refilling of operating material, fault elimination and maintenance.

In addition to the operating instructions and the regulations for accident prevention effective in the country of use and place of application, the recognised technical regulations for safety and proper working must also be observed.

2.1 INFORMATION ON ENVIRONMENTAL PROTECTION

This stapler is manufactured without any physical or chemical substances which could be dangerous to health. For disposal of all the parts, the governmental instructions must be observed.

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SAFETY INSTRUCTIONS



Inform yourself!
Read the operating instructions carefully.



Original JOSEF KIHHLBERG staples must be used exclusively!



Protect yourself!
When operating the stapler, wear eye, ear protection.



Original JOSEF KIHHLBERG spare parts must be used exclusively!
Not using original spare parts will dissolve the warranty and the liability.



Warning: Danger of crushing!
Do not put your fingers underneath the nozzle.

Use for the intended purpose

The stapler is intended for stapling fabric to wood, board or cardboard to wood.



Warning: Hazard!
Lay the compressed air hose so that there is no risk of tripping over it.

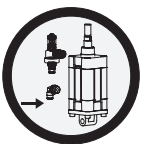
This stapler was designed and manufactured for safe handling during the stapling operation.



Do not exceed the air pressure!
Do not exceed the recommended air pressure.

Possible misuse

Do not fire any staples into the air or use the stapler with any other materials than mentioned above.



Use safety coupling!
For connecting the air hose to the stapler, use only a safety coupling.

Servicing

The following maintenance work must be carried out at regular intervals, varying with working conditions and workload:

- daily check of compressed air pressure (5–6 bar).
- clean the stapler regularly.
- check the condition of the stapler at regular intervals for defects or worn parts. Never use a stapler that has defective or worn parts (for servicing tasks refer also to chapter 7.1 until 7.4).



Do not use a bottled air or gas source!
Do not operate this stapler by using a bottled air or gas source.



Never leave a loaded tool unattended!
Always disconnect the tool from air supply when not in use.

4

DESCRIPTION

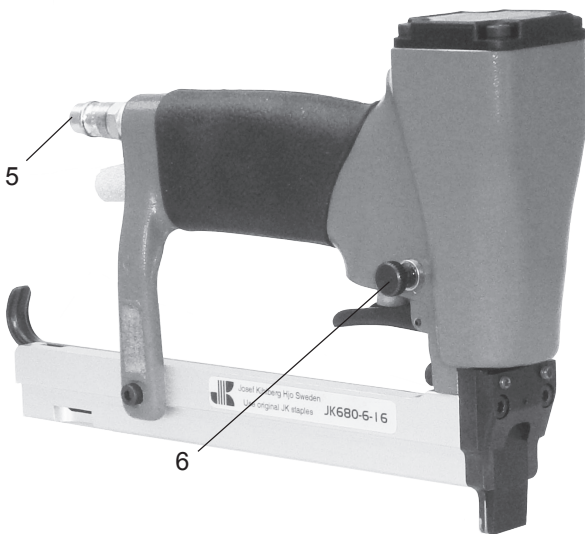
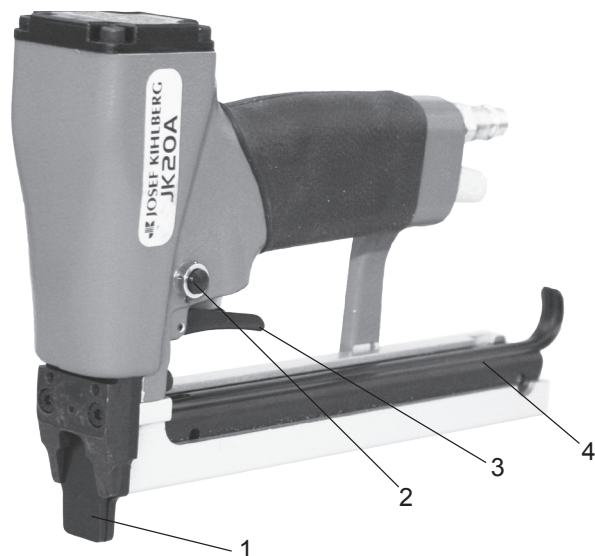


Fig. 1

4.1 DESIGN

- 1 Door
- 2 Single fire button
- 3 Trigger
- 4 Magazine lid
- 5 Compressed air connection
- 6 Speed adjustment

4.2 FUNCTION

Stapler JK20A has both single shot and continuous firing without safety yoke.



Never fire staples into the air!

1. **Single shot firing:**
Press the single fire button (Fig. 1/2) on the left side above the trigger and a single shot will be fired when the trigger is activated.
2. **Continuous firing:**
Release the single fire button (1/2) on the left hand side and continuous firing will occur for as long as the trigger (1/3) is activated.
3. **Speed of continuous firing:**
The firing speed is regulated by the speed adjustment knob (1/6) on the right side. Turning counter clockwise will increase the speed (max. 28 shots/sec) 7 bars; turning clockwise reduces the speed.



Warning: before stapling ensure that your hand or any other part of your body is not underneath the nozzle.

5

INITIAL OPERATION

5.1 INSTALLATION

The stapler is delivered without the compressed air connection nipple assembled. Assemble the nipple as following:

1. Take the stapler out of the box. Check that the nipple is the correct brand and fits your air system. Put sealing compound on the thread. (Fig. 2/1).
2. Assemble the nipple. Tightening torque 7.5 Nm.



Lay the compressed air hose so that there is no risk of tripping over it.

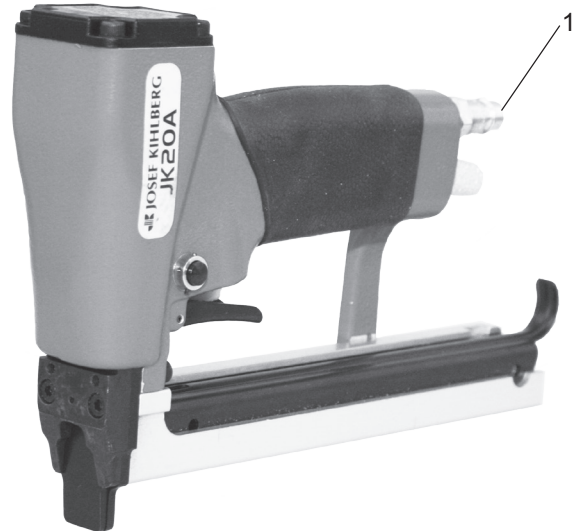



Fig. 2

5.2 AIR CONNECTION / LUBRICATION

 Properly prepared compressed air is essential for trouble free operation of the stapler. This can only be ensured by a reliably functioning maintenance unit, consisting of water separator, pressure reducing valve with pressure gauge. The internal diameter of the pipe should be at least 10 mm ($\frac{3}{8}$ ”).



Never exceed the maximum permitted air pressure of 7 bar (100 psi). The maximum supply pressure is 7 bar (100 psi).

A low air pressure will give low maintenance costs!

The stapler and the hose must have a coupling which automatically bleeds all air pressure from the stapler when it is disconnected.

The stapler needs a small amount of lubricating oil in the nipple each day or approx. 10 drops once a week to ensure safe functioning and endurance. For high frequency stapling we recommend oil mist lubricator. Please contact our agent for advice.

733007 Lubrication oil 0.2 dl. (Fig.3/1)

Sliding parts are greased, with Dow Corning grease MS 4 Silicon Compound, at the factory. We recommend use of this grease on moving parts if they have been cleaned or replaced.

184943 Tube of MS 4. (Fig. 3/2)



733007



184943

Fig. 3

6

OPERATING INSTUCTIONS

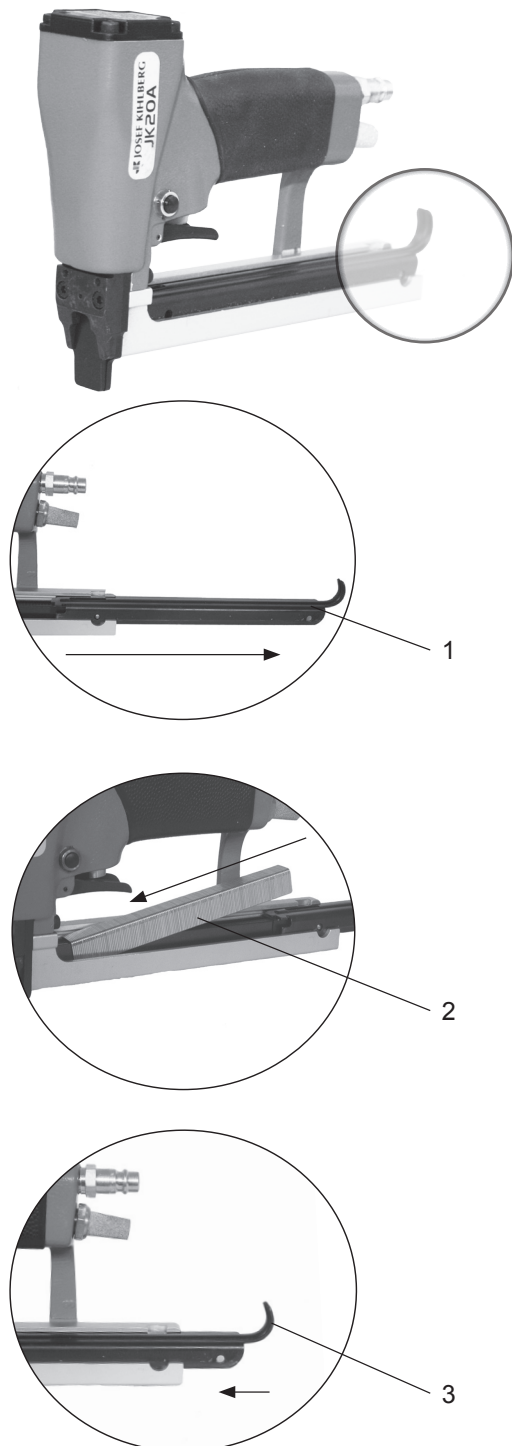


Fig. 4

6.1 LOADING THE MAGAZINE



Be sure that the tool is not pointing at yourself or anyone else when connecting it to the compressed air line.

- Connect the tool to the compressed air line before loading staples. The max. allowed air pressure is 7 bar.
- **Always use Josef Kihlberg original staples JK680 with leg length 06 (1/4") to 14 mm (9/16").** The correct type of staple is marked on the right side of the magazine. Ensure you use the right length of staples for your application.

1. Pull the magazine lid all the way out (Fig. 4/1)
2. Place the staple strip (4/2) into the staple rail from the left hand side.
3. Place the staple strip into the magazine and push the lid (4/3) forward again until it clicks in.

6.2 OPERATING THE STAPLER

Adjust the air pressure to the lowest one that will drive the staples to the desired depth. Start at approx. 5.0 bar (72 psi) and raise this by 0.5 bar (7 psi) increase until the correct operating pressure for the job in hand is found. Never exceed 7 bar (100 psi).

A low air pressure will give low maintenance costs!



Always place yourself in a firmly balanced position when using or handling the tool. Do not drive staples at too steep an angle or too close to the edge of the work: the fastener might fly free and hurt someone.

- Place the tool firmly on the work surface. Never drive staples in extremely hard or brittle material.



Warning: before stapling, ensure that your hand or any other part of your body is not underneath the nozzle.

- Push the trigger as described in chapter 4.2
- Move the toll sideways until you have finished the stapling and then release the trigger.

7

PREVENTIVE AND CORRECTIVE MAINTENANCE



Before all maintenance tasks on the stapler always first disconnect it from the air supply.

7.1 CLEANING THE STAPLER

This stapler does not require special servicing. It only needs regular cleaning with a non-aggressive (non-corrosive) cleaner agent. Do not remove any parts for cleaning purposes!



Check the proper functioning of all safety devices daily. Make especially sure that:

- the trigger works smoothly, the door stays in place and the magazine lid does not open itself.
- all screws and nuts are securely tightened.
- the stapler is regularly lubricated (refer to chapter 5.2).

7.2 REMOVING JAMMED STAPLES

To remove a jammed staple.

- Pry the door open with a screw driver (fig.5/1). It is three notches in the door to simplified the disassemble.
- Remove the door..
- Clean the canal for defective staples.
- Insert the door into the rear nozzle plate and push until it clicks shut.

Note! The three notches at the door must be assembled to the front.

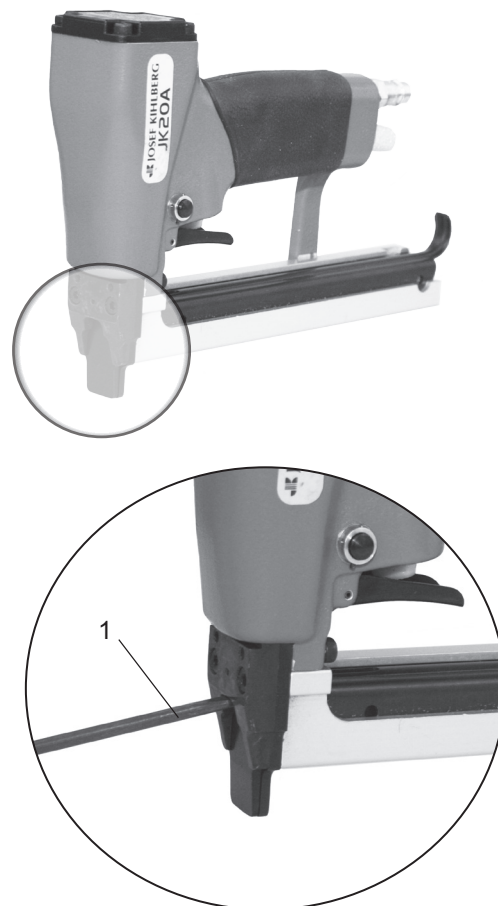


Fig. 5

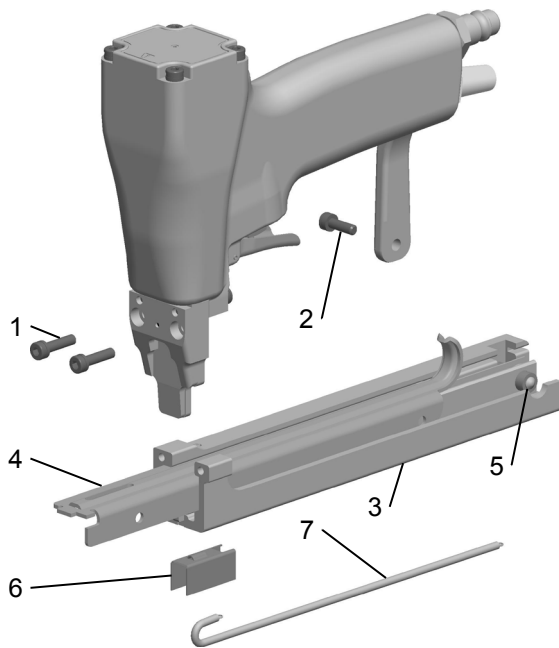


Fig. 6

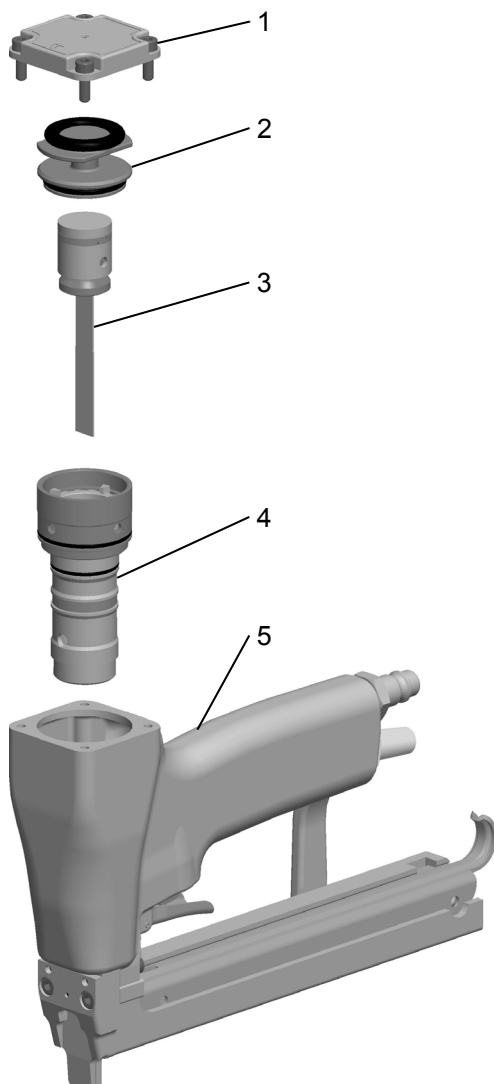


Fig. 7

05.20

7.3 REPLACE FEED SPRING

- Remove the rear screw (Fig. 6/2).
- Remove the two front screws (6/1) and remove the magazine (6/3).
- Remove the magazine lid (6/4) towards the front.
- Remove the pusher (6/6) and its spring (6/7).
- Mount the pusher spring under the front roller.
- First mount the pusher; tension the pusher spring a little, carefully release the pusher and then attach the spring to the rear hook.
- Mount the lid (6/4) from the front; push the lock plunger (6/5) in as indicated to allow the lid to pass.
- Put the three magazine screws in place and push the magazine down. Tighten the two front screws first.

7.4 CHANGE THE DRIVER BLADE

- Remove the four screws (Fig. 7/1) holding the top cap.
- Remove the cylinder cap (7/2).
- Turn the tool (7/5) upside down and knock it carefully against a piece of wood to loosen the driving parts.
- Remove the driving parts (7/4).
- Disassemble the piston cap (7/3).
- Hold the piston and turn the driver blade a 1/4 turn. Remove the pin and replace the driver blade.
- Assemble in opposite way. Do not forget to turn the driver blade a 1/4 turn.
- Grease (Part No 184943) at all o-rings and sliding surfaces. Assemble the driving parts as indicated in the picture (7/4) and enter the piston cap (7/3) into the driving parts and push it to its lower position.
- Insert the driver into the nozzle and push it down. Check that the piston and the driver move freely in the cylinder and in the nozzle.
- Mount the cylinder liner cover.
- Mount the top cap and tighten the four screws (7/1).

8

TROUBLE SHOOTING



Before all trouble shooting tasks on the stapler it must first be disconnected from the air supply.

FAULT	ELIMINATION
<p>No staples when firing the tool.</p>	<ul style="list-style-type: none"> - Check that the right type of staples is being used and moves easily inside the rail. - Always use Josef Kihlberg original staples. - Check for jammed staples. - Check the feeder spring for defects. If necessary replace. - Check if the staple pusher is not defective. If necessary replace. - Clean the staple track. - Air pressure too low. Secure that working pressure is as recommend, see chapter 6.2
<p>Inadequate power. The staples do not penetrate the material sufficiently.</p>	<ul style="list-style-type: none"> - Adjust the air pressure as chapter 6.2 - Has the tool been used without oil? Provide lubrication, see chapter 5.2. - Fit a longer driver blade.
<p>Noise level is too high</p>	<ul style="list-style-type: none"> - Check if the air pressure is correct. Adjust as per chapter 6.2. - Ensure that the work piece is firmly held in place. Vibration causes high sound levels.
<p>Jammed staple in the nozzle</p>	<ul style="list-style-type: none"> - Open the door and remove the defective staple, see chapter 7.2.