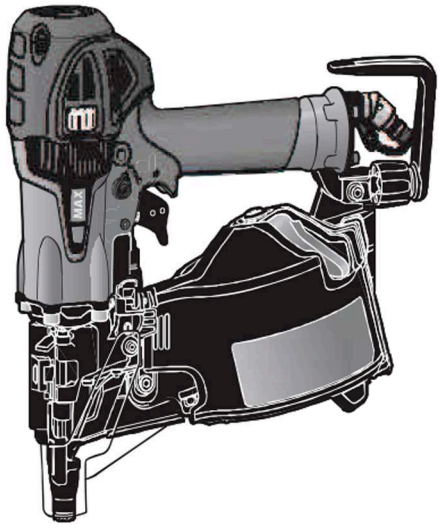
PowerLite

MAX

OPERATING INSTRUCTIONS MANUAL

HIGH PRESSURE COIL NAILER



HN65S

Original Language English

⚠WARNING

Please read instructions and warnings for this tool carefully before use. Failure to do so could lead to serious injury. See MAX Safety Instructions Manual.
Keep these instructions with the tool for future reference.

Fig.1

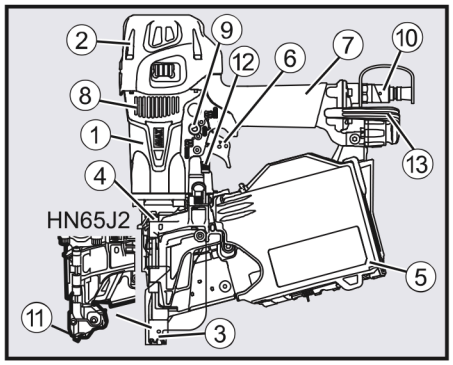


Fig.2

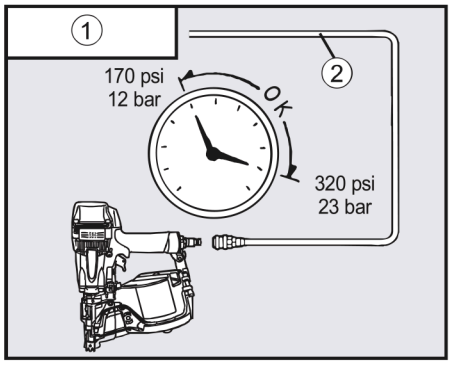


Fig.3 (HN65S)

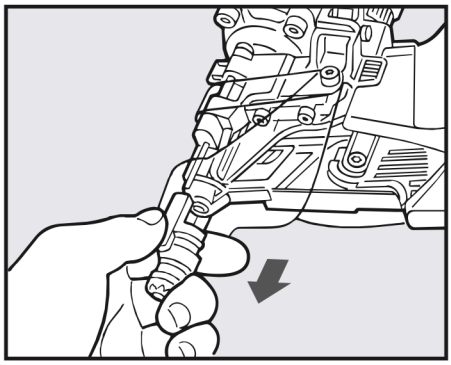


Fig.4 (HN65S)

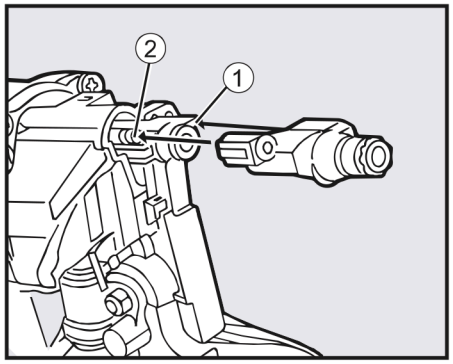


Fig.5 (HN65S)

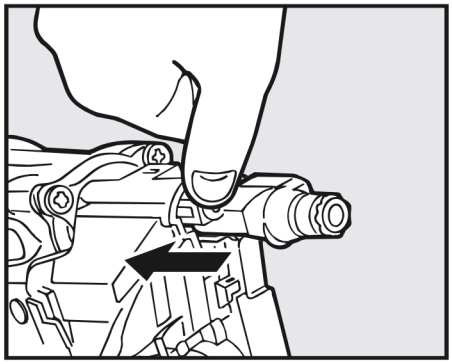


Fig.6

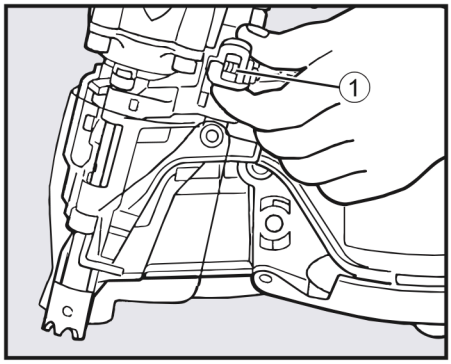


Fig.7 (HN65S)

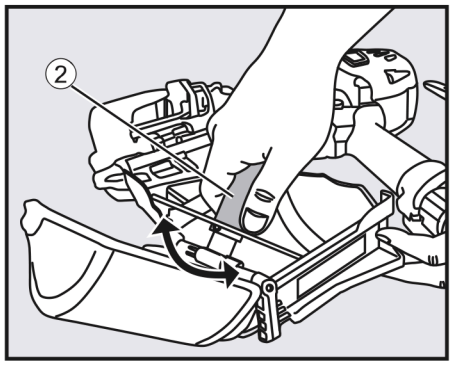


Fig.10

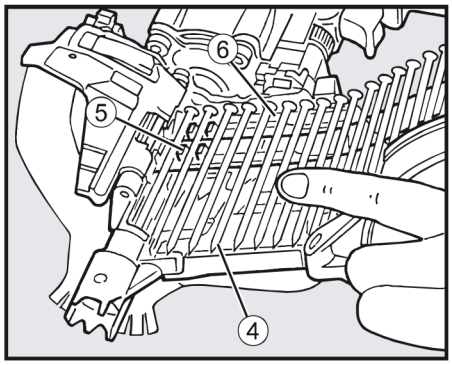


Fig.11

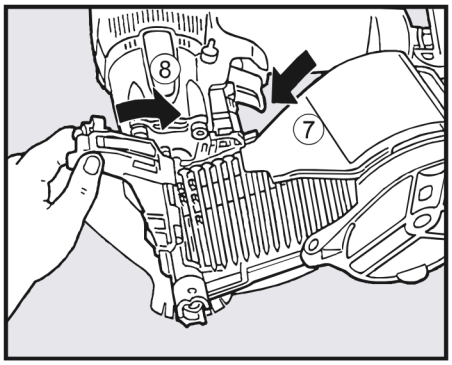


Fig.12

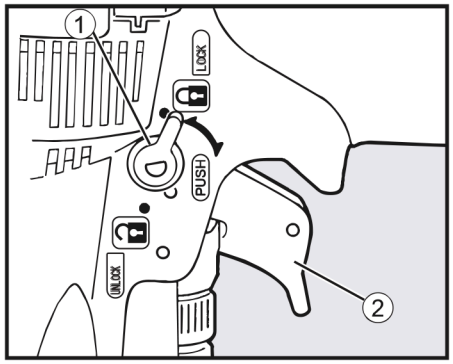
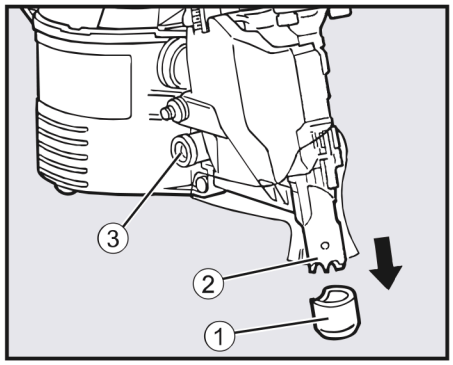


Fig.13



ENGLISH

OPERATING INSTRUCTIONS MANUAL

1. SPECIFICATIONS AND TECHNICAL DATA

1. NAME OF PARTS (SEE Fig.1)

① **Frame**
② **Cylinder Cap**
③ **Contact Nose (HN65S)**
④ **Nose**
⑤ **Magazine**
⑥ **Trigger**
⑦ **Grip**
⑧ **Exhaust Cover**
⑨ **Trigger Lock Dial**
⑩ **Plug**
⑫ **Adjust Dial**
⑬ **Belt Hook (HN65S)**

2. TOOL SPECIFICATIONS

PRODUCT NO.	**HN65S**
HEIGHT	304mm (12")
WIDTH	126mm (5")
LENGTH	298 mm (11-3/4")
WEIGHT	2.1 kg (4.61 lbs.)
RECOMMENDED OPERATING PRESSURE	12 to 23 bar (170 to 320 p.s.i.)
LOADING CAPACITY	400 Nails
AIR CONSUMPTION	1.7L at 18 bar / 257 p.s.i. operating pressure

3. FASTENER SPECIFICATIONS

PRODUCT NO.	**HN65S**	
TYPE OF COLLATION	PLASTIC SHEET COLLATED	WIRE WELDED
NAIL LENGTH	32 to 65mm (1-1/4" to 2-1/2")	38 to 65mm (1-1/2" to 2-1/2")
SHANK DIAMETER	2.1 to 3.3mm (.083" to .131")	2.1 to 3.3mm (.083" to .131")
SHANK TYPE	Smooth, Ring, Screw	Smooth, Ring, Screw
HEAD DIAMETER	5.0 to 7.0mm (.197" to .275")	

4. TECHNICAL DATA

NOISE

	HN65S
A-weighted single-event sound power level ------ LWA, 1s, d	95.8dB
A-weighted single-event emission sound pressure level at work station------ LpA, 1s, d	85dB
Uncertainty	3dB

These values are determined and documented in accordance to EN12549:1999+A1:2008.
NOTE: These values are tool-related characteristic values and do not represent the noise generation at the point of use. Noise at the point of use will for example depend on the working environment, the workpiece, the workpiece support, and the number of driving operations. In addition, reference should be made to noise reduction measures.
NOTE: Workplace design can also serve to reduce noise levels, for example placing workpieces on sound-damping supports (see also ISO 11690-1).

VIBRATION

	HN65S
Vibration characteristic value	7.11 m/s^2
Uncertainty	1.5 m/s^2

These values are determined and documented in accordance to ISO 28927-13
NOTE: The vibration emission value above is a tool-related characteristic value and does not represent the influence to the hand-arm-system when using the tool. Any influence to the hand-arm-system when using the tool will for example depend on the gripping force, the contact pressure force, the working direction, the adjustment of energy supply, the workpiece, the workpiece support.

5. APPLICATIONS

HN65S
* Siding * Decking * Roof and wall sheathing * Fencing

6. ABOUT PRODUCTION YEAR

This product bears production number at the lower part of the grip of the main body. The two digits of the number from left indicates the production year.

(Example)
2 0 8 2 6 0 3 5 D
T
Year 2020

2. AIR SUPPLY AND CONNECTIONS (Fig.2)

A. HOSES AND SUPPLY SOURCE
WHEN USING THE TOOL, BE SURE TO USE A SPECIAL AIR COMPRESSOR AND AIR HOSE.
In order to improve its performance, it has set its working pressure higher than the conventional nailers. To use the tool, you always need the special air compressor ① and the air hose ② (MAX PowerLite Compressor and MAX PowerLite Hose).
Use of high pressure gas (for example, oxygen, acetylene, etc.) causes abnormal combustion, possibly resulting in explosion. Use only the special air compressor and air hose.

B. OPERATING PRESSURE:
12 to 23 bar / 170 to 320 p.s.i. Select the operating air pressure within this range for best performance based upon the fastener application and work surface. Using the lowest acceptable to minimize noise, vibration and wear.
⚠ **DO NOT EXCEED 23 bar / 320 p.s.i.**

NOTICE:
Frequent, but not excessive, lubrication is required for the best performance. Upon completion of operations, place 2 or 3 drops of oil into the air plug inlet with the jet oiler.

3. INSTRUCTIONS FOR OPERATION

1. BEFORE OPERATION

❶ Wear Safety Glasses or Goggles.
❷ Do not connect the air supply.
❸ Inspect screw tightness.
❹ Check operation of the contact arm & trigger if moving smoothly.
❺ Connect the air supply.
❻ Check the air-leakage. (The Tool must not have the air-leakage.)
❼ Hold the Tool with finger-off the trigger, then push the contact arm against the work-piece. (The tool must not operate.)
❽ Hold the Tool with contact arm free from work-piece and pull the trigger. (The Tool must not operate.)
❾ Disconnect the air supply.

2. OPERATION

ATTACHING THE CONTACT NOSE (HN65S)
Attach the following contact noses depending on the nail head diameter used.

Head Diameter	Contact Nose	Color
5.0 to 6.0mm (.197" to .236")	Contact Nose S	Black
6.0 to 7.0mm (.236" to .275")	Contact Nose L	Silver

❶ (Fig.3) Pull the contact nose to remove it.
❷ (Fig.4,5) Aligning the rail with the contact arm, press the contact nose as shown in the figure to fit it until it clicks.

NAIL LOADING

❶ (Fig.6) Open the Magazine:
Pull up Door Latch ① and swing Door open. Swing Magazine Cap open.
❷ (Fig.7) HN65S.
The nail support ② can be moved up and down to four settings. The nail support moves down by turning it counterclockwise and moves up by turning it clockwise. The nail support should be adjusted correctly to the position indicated in inches and millimeters.
❸ (Fig.10) Nail loading:
Place a coil of nails ④ over the Nail Post in the Magazine. Uncoil enough nails to reach the Feed Pawl ⑤, and place the second nail between the teeth on the Feed Pawl. The nail heads fit in slot ⑥ on Nose.
❹ (Fig.11) Swing Magazine Cap ⑦ closed.
❺ (Fig.11) Close the Door ⑧.
Check that Door Latch ① engages. (If it does not engage, check that the nail heads are in the slot ⑥ on the Nose).

TEST OPERATION

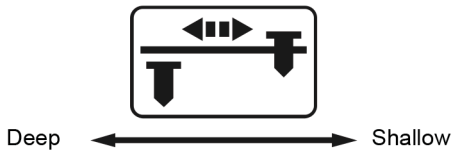
❶ Adjust the air pressure at 12 bar (170 p.s.i.) and connect the air supply.
❷ Without touching the Trigger, depress the Contact Arm against the work-piece.
Pull the Trigger. (The tool should fire the fastener.)
❸ Adjust the air pressure as much as the lower possible according to the diameters and length of fastener and the hardness of work-piece.

DRIVING FASTENERS
HN65S-ST
This tool is assembled with FULL SEQUENTIAL ACTUATION.

	PROCEDURE
	❶ Pulling the Trigger and keeping it pulled. ❷ Depressing the Contact Arm.
FULL SEQUENTIAL ACTUATION	The tool cannot fire a nail.

	PROCEDURE
	❶ Depressing the Contact Arm. ❷ Pulling the Trigger and keeping it pulled.
FULL SEQUENTIAL ACTUATION	The tool fires a nail. In order to fire a second nail, you should both release the Trigger and remove the Contact arm from the surface.

DRIVING DEPTH ADJUSTMENT DIAL
Adjust the driving depth by twisting the adjustment dial ⑫ as indicated below.



TRIGGER LOCK MECHANISM (Fig.12)
This tool has a Trigger Lock. The trigger should be locked at all times until you intend to drive nail into the work surface. Push and rotate the Trigger LOCK Dial ① clockwise from LOCK to UNLOCK position immediately before driving nails. When fastening is complete, push and rotate switch counterclockwise to LOCK position.

CONTACT TIP (Fig.13) HN65S
Attach the Contact Tip ① on the tip of Contact Arm ②, when driving nails to a soft material.
The Contact Tip can be kept on the Arm Cover ③ when not using.

REMOVING JAMMED NAILS (Fig.14)

⚠WARNING

- **ALWAYS disconnect the air supply.**
- **Wear gloves when removing jams; do not use bare hands**
- **Confirm that you have removed all nails from nose of tool before reconnecting to air supply.**

❶ Disconnect the air supply.
❷ Open the tool door and remove nails from inside of the magazine.
❸ Insert a thin metal stick in the tool nose and hit the metal stick with a hammer or remove the jam with a flathead screwdriver.
❹ Put back the nails on the feed pawl and close the tool door.

WHEN USING THE TOOL FOR STEEL PLATES

(HN65S) This tool is exclusively designed for 1.6mm / 16Ga. to 2.3mm / 13Ga. thick light gauge steel.

When using it, comply with the Work Standards, considering the object condition and work site environment.

❶ Select appropriate nails according to the object thickness, seeing the Nail Selection Criteria Chart.
* The nails may not be driven into the object depending on its hardness or thickness.
* If the object is thicker than an appropriate range of thickness, the nails may not be driven into it because of being bent.

❷ Never drive the nails directly into the light gauge steel because they will fly off, endangering you.
❸ Be sure to apply the discharge outlet to the object at a right angle. If applied obliquely, the nails will fly off, endangering you.
❹ Never use the nails for the roofs (roof foundations included) or ceilings (ceiling foundations included).
❺ If the nails are driven into the steel plate too deeply, their holding force will be extremely reduced. When working with the tool, fully check the driven conditions.

Nail Selection Criteria

Tool	Diameter	Length	Object thickness (Total) range	Light gauge steel thickness
HN65S	2.5mm (.098")	32mm	10 to 20mm	1.6 to 2.3mm (16Ga. to 13Ga.)
		28mm	15 to 25mm	
HN65S	2.5mm (.098")	45mm (1-3/4")	25 to 35mm (1" to 1-3/8")	1.6 to 2.3mm (16Ga. to 13Ga.)
		50mm (2")	30 to 40mm (1-1/8" to 1-1/2")	
		57mm (2-1/4")	35 to 45mm (1-3/8" to 1-3/4")	
		65mm (2-1/2")	45 to 55mm (1-1/2" to 1-1/8")