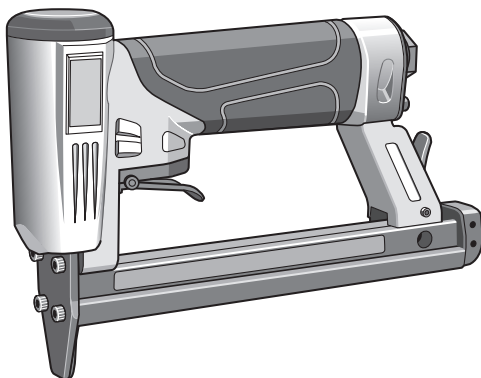


TA116/21-13(CE) TA116/22-9(CE)

MAX[®]

FINE WIRE STAPLER
PNEUMATIC STAPLER
PNEUMATISCHER HEFTER
AGRAFEUSE ONEUMATIQUE
GRAFFATRICE PNEUMATICA
MÁQUINA GRAPADORA NEUMÁTICA



OPERATING and MAINTENANCE MANUAL BETRIEBSANLEITUNG MANUEL D'UTILISATION et D'ENTRETIEN MANUALE DI FUNZIONAMENTO E MANUTENZIONE MANUAL DE OPERACIONES Y MANTENIMIENTO



WARNING

BEFORE USING THIS TOOL, STUDY THIS MANUAL TO ENSURE SAFETY WARNING AND INSTRUCTIONS.
KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE.



ACHTUNG

LESEN SIE VOR INBETRIEBNAHME DES GERÄTES DIE GEBRAUCHS- UND SICHERHEITSHINWEISE. BITTE BEWAHREN SIE DIE GEBRAUCHS- UND SICHERHEITSHINWEISE AUF, DAMIT SIE AUCH SPÄTER EINGESEHEN WERDEN KÖNNEN.



AVERTISSEMENT

AVANT D'UTILISER CET OUTIL, LIRE CE MANUEL ET LES CONSIGNES DE SECURITE AFIN DE GARANTIR UN FONCTIONNEMENT SUR.
CONSERVER CE MANUEL EN LIEU SUR AVEC L'OUTIL AFIN DE POUVOIR LE CONSULTER ULTERIEUREMENT.



ATTENZIONE

PRIMA DI USARE QUESTA MACCHINA, STUDIARE IL MANUALE PER PRENDERE ATTO DEGLI AVVERTIMENTI E DELLE ISTRUZIONI PER LA SICUREZZA.
TENERE QUESTE ISTRUZIONI INSIEME ALLO STRUMENTO PER CONSULTAZIONI FUTURE.



ATENCIÓN

PARA EVITAR GRAVES DAÑOS PERSONALES O EN LA PROPIEDAD.
ANTES DE EMPLEAR LA HERRAMIENTA, LEER CON ATENCIÓN Y COMPRENDER LOS SIGUIENTES INSTRUCCIONES DE SEGURIDAD.

ENGLISH

OPERATING and MAINTENANCE MANUAL

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WARNING

BEFORE USING THIS TOOL, STUDY THIS MANUAL TO ENSURE SAFETY WARNING AND INSTRUCTIONS.
KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE.

1. SAFETY INSTRUCTIONS



WARNING

TO AVOID SEVERE PERSONAL INJURY OR PROPERTY DAMAGE

BEFORE USING THE TOOL, READ CAREFULLY AND UNDERSTAND THE FOLLOWING "SAFETY INSTRUCTIONS". FAILURE TO FOLLOW WARNINGS COULD RESULT IN DEATH OR SERIOUS INJURY.

PRECAUTIONS ON USING THE TOOL



1. WEAR SAFETY GLASSES OR GOGGLES

Danger to the eyes always exists due to the possibility of dust being blown up by the exhausted air or of a fastener flying up due to the improper handling of the tool. For these reasons, safety glasses or goggles shall always be worn when operating the tool.

The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of Council Directive 89/686/EEC of 21 DEC. 1989 (the American National Standards Institute, ANSI Z87.1) and provide both frontal and side protection.

The employer is responsible to enforce the use of eye protection equipment by the tool operator and all other personnel in the work area.

NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.



2. EAR PROTECTION MAY BE REQUIRED IN SOME ENVIRONMENTS

As the working condition may include exposure to high noise levels which can lead to hearing damage, the employer and user should ensure that any necessary hearing protection is provided and used by the operator and others in the work area.



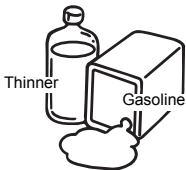
3. DO NOT USE ANY POWER SOURCE EXCEPT AN AIR COMPRESSOR

The tool is designed to operate on compressed air. Do not operate the tool on any other highpressure gas, combustible gases (e.g., oxygen, acetylene, etc.) since there is the danger of an explosion. For this reason, absolutely do not use anything other than an air compressor to operate the tool.



4. OPERATE WITHIN THE PROPER AIR PRESSURE RANGE

The tool is designed to operate within an air pressure range of 5 to 6.9 bar (70 to 100 p.s.i.). The pressure should be adjusted to the type of the work being fastened. The tool shall never be operated when the operating pressure exceeds 6.9 bar (100 p.s.i.). Never connect the tool to air pressure which potentially exceeds 13.8 bar (200 p.s.i.) as the tool can burst.



5. DO NOT OPERATE THE TOOL NEAR A FLAMMABLE SUBSTANCE

Never operate the tool near a flammable substance (e.g., thinner, gasoline, etc.). Volatile fumes from these substances could be drawn into the compressor and compressed together with the air and this could result in an explosion.

6. NEVER USE THE TOOL IN AN EXPLOSIVE ATMOSPHERE

Sparks from the tool may ignite atmospheric gases, dust or other combustible materials.

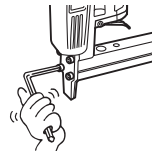
7. DO NOT USE A WRONG FITTINGS

The connector on the tool must not hold pressure when air supply is disconnected. If a wrong fitting is used, the tool can remain charged with air after disconnecting and thus will be able to drive a fastener even after the air line is disconnected, possibly causing injury.



8. DISCONNECT THE AIR SUPPLY AND EMPTY THE MAGAZINE WHEN THE TOOL IS NOT IN USE

Always disconnect the air supply from the tool and empty the magazine when operation has been completed or suspended, when unattended, moving to a different work area, adjusting, disassembling, or repairing the tool, and when clearing a jammed fastener.



9. INSPECT SCREW TIGHTNESS

Loose or improperly installed screws or bolts cause accidents and tool damage when the tool is put into operation. Inspect to confirm that all screws and bolts are tight and properly installed prior to operating the tool.



10. DO NOT TOUCH THE TRIGGER UNLESS YOU INTEND TO DRIVE A FASTENER

Whenever the air supply is connected to the tool, never touch the trigger unless you intend to drive a fastener into the work. It is dangerous to walk around carrying the tool with the trigger pulled, and this and similar actions should be avoided.

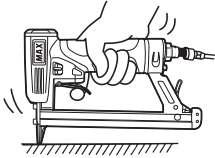


11. NEVER POINT THE DISCHARGE OUTLET TOWARD YOURSELF AND OTHER PERSONNEL

If the discharge outlet is pointed toward people, serious accidents may be caused when misfiring. Be sure the discharge outlet is not pointed toward people when connecting and disconnecting the hose, loading and unloading the fasteners or similar operations.

**12. USE SPECIFIED FASTENERS
(SEE PAGE 6)**

The use of fasteners other than specified fasteners will cause the tool malfunction. Be sure to use only specified fasteners when operating the tool.



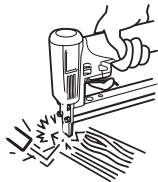
13. PLACE THE DISCHARGE OUTLET ON THE WORK SURFACE PROPERLY

Failure to place the discharge outlet of the nose in a proper manner can result in a fastener flying up and is extremely dangerous.



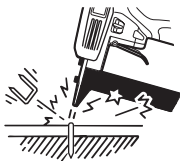
14. KEEP HANDS AND BODY AWAY FROM THE DISCHARGE OUTLET

When loading and using the tool, never place a hand or any part of body in fastener discharge area of the tool. It is very dangerous to hit the hands or body by mistake.



15. DO NOT DRIVE FASTENERS CLOSE TO THE EDGE AND CORNER OF THE WORK AND THIN MATERIAL

The workpiece is likely to split and the fastener could fly free and hit someone.

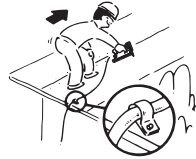


16. DO NOT DRIVE FASTENERS ON TOP OF OTHER FASTENERS

Driving fasteners on the top of other fasteners may cause deflection fasteners which could cause injury.

17. REMOVING THE FASTENERS AFTER COMPLETING OPERATION

If fasteners are left in the magazine after the completion of operation, there is the danger of a serious accident occurring prior to the resumption of operation, should the tool be handled carelessly, or when connecting the air fitting. For this reason, always remove all fasteners remaining in the magazine after completion of the operation.



18. WHEN USING THE TOOL OUTSIDE OR ELEVATED PLACE

When fastening roofs or similar slanted surface, start fastening at the lower part and gradually work your way up. Fastening backward is dangerous as you may lose your foot place.

Secure the hose at a point close to the area you are going to drive fasteners. Accidents may be caused due to the hose being pulled inadvertently or getting caught.

19. NEVER USE THE TOOL IF ANY PORTION OF THE TOOL CONTROLS (e.g., TRIGGER) IS INOPERABLE, DISCONNECTED, ALTERED OR NOT WORKING PROPERLY

20. NEVER ACTUATE THE TOOL INTO FREE SPACE

This will avoid any hazard caused by free flying fasteners and excessive strain of the tool.

21. ALWAYS ASSUME THAT THE TOOL CONTAINS FASTENERS

22. RESPECT THE TOOL AS A WORKING IMPLEMENT

23. NO HORSEPLAY

24. NEVER LOAD THE TOOL WITH FASTENERS WHEN ANY ONE OF THE OPERATING CONTROLS (e.g., TRIGGER) IS ACTIVATED

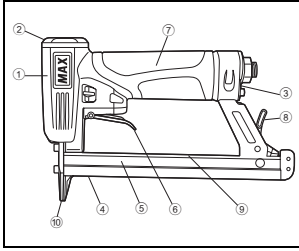
25. WHEN DISPOSING THE MACHINE OR ITS PARTS, FOLLOW THE RELEVANT NATIONAL RULES

OBSERVE THE FOLLOWING GENERAL CAUTION IN ADDITION TO THE OTHER WARNINGS CONTAINED IN THIS MANUAL

- Do not use the tool as a hammer.
- Always carry the tool by the grip, never carry the tool by the air hose.
- The tool must be used only for the purpose it was designed.
- Never remove, tamper with the operating controls (e.g., TRIGGER)
- Keep the tool in a dry place out of reach of children when not in use.
- Do not use the tool without Safety Warning label.
- Do not modify the tool from original design or function without approval by MAX CO., LTD.

2. SPECIFICATIONS AND TECHNICAL DATA

1. NAME OF PARTS



- ① Frame
- ② Cylinder Cap
- ③ Air Exhaust Port
- ④ Slider Unit
- ⑤ Magazine
- ⑥ Trigger
- ⑦ Grip
- ⑧ Click Lever
- ⑨ Warning Label (back side)
- ⑩ Outlet

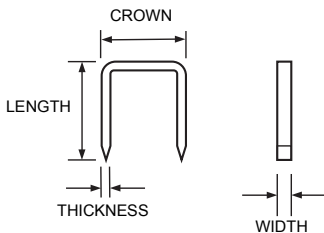
2. TOOL SPECIFICATIONS

PRODUCT NO.	TA116/22-9(CE)	TA116/21-13(CE)
HEIGHT	152mm (6")	152mm (6")
WIDTH	48mm (2")	48mm (2")
LENGTH	237mm (8")	237mm (8")
WEIGHT	1kg (2.2lbs)	1kg (2.2lbs)
RECOMMENDED OPERATING PRESSURE	5 to 6.9bar (70 to 100p.s.i.)	5 to 6.9bar (70 to 100p.s.i.)
LOADING CAPACITY	180 Staples	150 Staples
AIR CONSUMPTION	0.31 l (0.011ft ³) at 6.9 bar (100p.s.i.) operating pressure	0.34 l (0.012ft ³) at 6.9 bar (100p.s.i.) operating pressure

* The machine has been compactly designed in order to improve operating weight balance.

3. FASTENER SPECIFICATIONS

PRODUCT NO.	TA116/22-9(CE)	TA116/21-13(CE)
CROWN	9.3mm (3/8")	13mm (1/2")
LENGTH	6 to 16mm (1/4" to 5/8")	6 to 16mm (1/4" to 5/8")
WIDTH	0.77mm (0.030")	0.91mm (0.036")
THICKNESS	0.55mm (0.0215")	0.70mm (0.0275")
GAUGE	22	21



TOOL AIR FITTINGS:

This tool uses a 1/4" N.P.T. male plug. The inside diameter should be 7mm (.28") or larger. The fitting must be capable of discharging tool air pressure when disconnected from the air supply.

RECOMMENDED OPERATING PRESSURE:

5 to 6.9 bar (70 to 100 p.s.i.). Select the operating air pressure within this range for best fastener performance. **DO NOT EXCEED 6.9 bar (100 p.s.i.).**

4. TECHNICAL DATA

NOISE

A-weighted single-event sound power level

TA116/22-9 (CE) ----- LWA, 1S, d 84.9 dB

TA116/21-13 (CE) ----- LWA, 1S, d 86.5 dB

A-weighted single-event emission sound pressure level at work station

TA116/22-9 (CE) ----- LpA, 1S, d 78.9 dB

TA116/21-13 (CE) ----- LpA, 1S, d 80.0 dB

These values are determined and documented in accordance to EN12549 : 1999.

5. APPLICATIONS

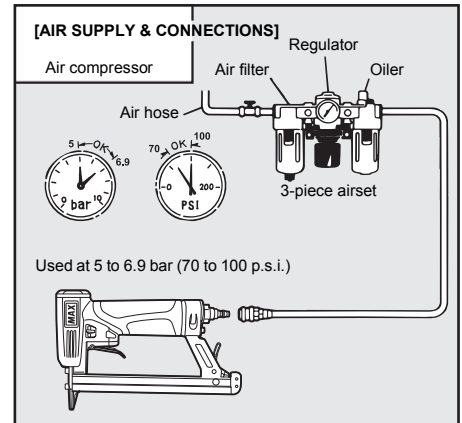
- * Interior decoration
- * Fastening Plywoods (for interior or furnitures)
- * Upholstering chair, sofa, and other furnitures

3. AIR SUPPLY AND CONNECTIONS



WARNING

Read section titled "SAFETY INSTRUCTIONS".



FITTINGS: Install a male plug on the tool which is free flowing and which will release air pressure from the tool when disconnected from the supply source.

HOSES: Hose has a min. ID of 6 mm (1/4") and max. length of no more than 5 meters (17"). The supply hose should contain a fitting that will provide "quick disconnecting" from the male plug on the tool.

SUPPLY SOURCE: Use only clean regulated compressed air as a power source for the tool.

3-PIECE AIRSET (Air filter, Regulator, Oiler):

Refer to TOOL SPECIFICATIONS for setting the correct operating pressure for the tool.

NOTE:

A filter will help to get the best performance and minimum wear from the tool because dirt and water in the air supply are major causes of wear in the tool.

Frequent, but not excessive, lubrication is required for the best performance. Oil added thru the air line connection will lubricate the internal parts.

4. INSTRUCTIONS FOR OPERATION

Read section titled "SAFETY INSTRUCTIONS".

1. BEFORE OPERATION

Check the following prior operation.

- ① Wear Safety Glasses or Goggles.
- ② Do not connect the air supply.
- ③ Inspect screw tightness.
- ④ Check operation of the trigger if moving smoothly.
- ⑤ Connect the air supply.
- ⑥ Check the air-leakage. (The Tool must not have the air-leakage.)
- ⑦ Disconnect the air supply.



WARNING



2. OPERATION

Wear safety glasses or goggles. Danger to the eyes always exists due to the possibility of dust being blown up by the exhausted air or of a fastener flying up due to the improper handling of the tool. For these reasons, safety glasses or goggles shall always be worn when operating the tool.

The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of Council Directive 89/686/EEC of 21 DEC. 1989 (the American National Standards Institute, ANSI Z87.1) and provide both frontal and side protection.

The employer is responsible to enforce the use of eye protection equipment by the tool operator and all other personnel in the work area.

NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

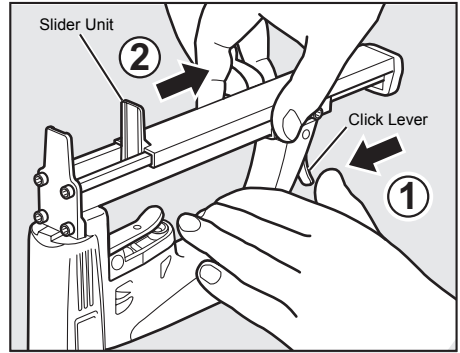


WARNING

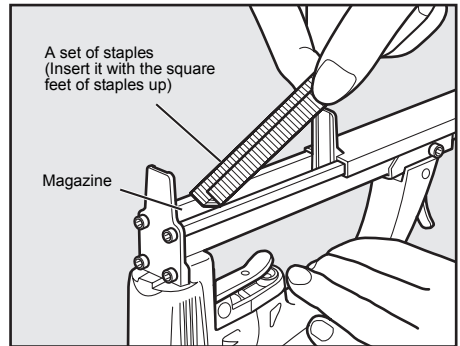


Keep hands and body away from the discharge outlet when driving the fasteners because of dangerous of hitting the hands or body by mistake.

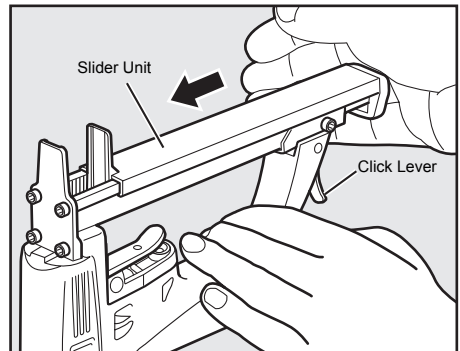
STAPLE LOADING



- ① Remove the click lever.
- ② Pull out the slider unit.



- ③ Insert a set of staples into the magazine with the square feet of staples up.



- ④ Press the slider unit to set the click lever securely.

TEST OPERATION

- 1 Adjust the air pressure at 5 bar (70 p.s.i.) and connect the air supply.
- 2 Without touching the trigger, depress the staple discharge outlet against the work-piece.
- 3 Pull the trigger. (The tool must fire the fastener.)
- 3 Adjust the air pressure as much as the lowest possible according to the length of fastener and the hardness of work-piece.

AIR HOSE CONNECTION

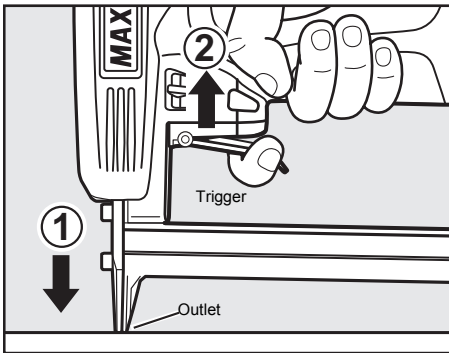
Connect the air chuck to the air plug.



WARNING

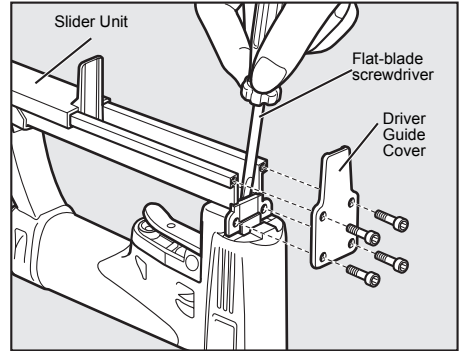
When connecting the air chuck, do not point the staple discharge outlet at any part of your body or at another person, and do not touch the trigger.

DRIVING FASTENERS



- 1 Depress the staple discharge outlet against a place where you want to drive a staple.
- 2 Pull the trigger.

CLEARING JAMMED STAPLES



- 1 Disconnect the air hose.
- 2 Remove the set of staples from the magazine.
- 3 Take out the 4 hexagon socket head cap screws from the magazine and remove the driver guide cover.
- 4 Clear the staples jammed inside the nose using a thin iron bar or a flat-blade screwdriver.
- 5 Reinstall the driver guide cover, reinsert the set of staples and bring back the slider unit.



WARNING

ALWAYS disconnect air supply before clearing jammed fastener.

5. MAINTENANCE

1 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)

0 8 8 2 6 0 3 5 D



Year 2008

2 DO NOT FIRE THE STAPLER WHEN IT IS EMPTY

3 USE A 3-PIECE AIRSET

Failure to use a 3-piece airset allows the moisture and dirt inside compressor to pass into the tool directly. This causes rust and wear, and results in a poor operating performance. The hose length between airset and tool should be no longer than 5 m since a longer length results in a reduction in air pressure.

4 USE RECOMMENDED OIL

The velocite or turbine oil should be used to lubricate the tool. Upon completion of operations, place 2 or 3 drops of oil into the air plug inlet with the jet oiler. (Recommended Oil : ISO VG32)

5 INSPECT AND MAINTAIN DAILY OR BEFORE OPERATION



WARNING

Disconnect air supply and empty the magazine when inspecting or maintaining the tool.

- (1) Drain air line filter and compressor
- (2) Keep lubricator filled in air 3-pieces set
- (3) Clean filter element of air 3-pieces set
- (4) Tighten all screws

6. STORAGE

- 1 When not in use for an extended period, apply a thin coat of the lubricant to the steel parts to avoid rust.
- 2 Do not store the tool in a cold weather environment. Keep the tool in a warm area.
- 3 When not in use, the tool should be stored in a warm and dry place. Keep out of reach of children.
- 4 All quality tools will eventually require servicing or replacement of parts because of wear from the normal use.

7. TROUBLE SHOOTING/REPAIRS

The troubleshooting and/or repairs shall be carried out only by the MAX CO., LTD. authorised distributors or by other specialists.

- The content of this manual might be changed without notice for improvement.
 - Änderungen der Betriebsanleitung zum Zwecke der Verbesserung ohne Ankündigung vorbehalten.
 - Le contenu de ce manuel est sujet a modification sans preavis a des fins d'amelioration.
 - I contenuti di questo manuale possono essere cambiati senza preavviso per motivi di miglioramento del prodotto.
 - El contenido de este manual puede ser cambiado sin noticia previa para mejoramiento.
-
- The specifications and design of the products in this manual will be subject to change without advance notice due to our continuous efforts to improve the quality of our products.
 - Änderungen bei technischen Daten und Design der Produkte in diesem Handbuch im Sinne der Produktverbesserung bleiben vorbehalten.
 - Les caractéristiques et la conception des produits mentionnés dans ce manuel sont sujettes à des modifications sans préavis en raison de nos efforts continus pour améliorer la qualité de nos produits.
 - Le caratteristiche e la concezione dei prodotti menzionati in questo manuale sono soggette a modifiche senza preavviso a causa dei nostri sforzi continui per migliorare la qualità dei nostri prodotti.
 - Las características y la concepción de los productos mencionados en este manual están sujetas a modificaciones sin preaviso debido a nuestros esfuerzos continuos para mejorar la calidad de nuestros productos.



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