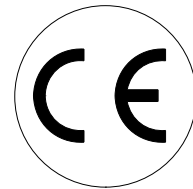




90.38 FL2

ENGLISH

cod. 1427050FL2



USER MANUAL and SPARE PARTS

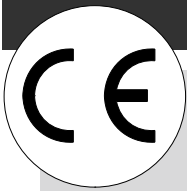
IMPORTANT DO NOT DESTROY !

Read carefully this manual before using the tool and respect the security norms herewith enclosed.

1427050FL2_9038FL2_2 200613 IV

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Conformity declaration

(Conformity to annex II part 1 section A of Directive 2006/42/EC.)

OMER, having registered offices in Via Foresto, 42 - I-31058 ITALIA hereby declares under its own responsibility that the pneumatic stapler to which this booklet refers, and whose model, serial number and year of manufacture are printed on the cover, complies with the essential safety requisites established in the 2006/42/EC and meets the requirements of standard UNI EN 792-13:2009.

Susegana 25-01-2010

The duly authorised representative

INSTRUCTION MANUAL

FOREWORD

This Instruction Manual and the attached Data Sheet (which forms an integral part of it) have both been drawn up in conformity with EEC guideline 2006/42/EC. Both publications are meant for the user of the tacker and contain information on the use of the machine as intended by the manufacturer; they also supply the necessary technical data for its correct use and the safety rules to be strictly observed by the user of the stapler. The instruction manual is to be considered an integral part of the gun and must be kept in a safe place for future reference for the entire life of the machine.

INTRODUCTION

In order to assure high reliability, OMER has made a careful choice of the materials and components to be used in the manufacturing process of the tool and has tested it before delivery. Proper performance of the tacker in time also depends on its correct use and on adequate servicing according to the instructions contained in this manual. All of its components, connecting parts and control devices have been designed and implemented with built-in safety to enable them to withstand even unusual stresses, in excess of those set in this manual. The best quality materials have been used and they have been accurately tested on arrival, during storage and while being processed in the workshop for damage, wear or malfunctioning.

The following should be remembered at all times:

- 1) Do not use or service the machine before reading and clearly understanding this Manual and the attached Data Sheet in all their parts.**
- 2) In particular, take all the precautions listed in section A - Safety prescriptions and information.**
- 3) Never use the machine under different conditions or for a different purpose than stated in the manual. OMER spa cannot be held responsible for faults, breakdowns or damage due to failure to observe these rules.**

Section A

General information for a safe use of the stapler

A.1 - Working conditions as prescribed by the manufacturer

The stapler must be held firmly by the grip. A compressed air supply system corresponding to the requisites described in section B of this manual must be used. The working pressure must be the one mentioned under TECHNICAL DATA of this manual. The stapler has been designed for clinching metal fasteners on soft materials (paper, cardboard, PVC, plywood, etc.) and it cannot be used on other hard materials such as cement, metals, tiles, etc.). It is always necessary to take all precautions to reduce risks of injury to the operator or to other persons in the working area:

- protect your eyes from dust or danger represented by metal fasteners by using approved safety glasses;
- avoid ear injuries by using head sets.

A.2 - Safety measures

◆ Never forget that the stapler can be dangerous, so never play with it. ◆ Do not press the control trigger when connecting the nailing machine to the compressed air supply. ◆ Do not remove, lock or misuse the safety catch in any way. ◆ Do not allow children or unskilled persons to handle the gun. ◆ Never connect the tacker to other power sources than compressed air. High-pressure gas (propane, acetylene, oxygen, etc.) is highly dangerous and may cause the gun to explode. ◆ Never use the stapler on any other purpose than the one it was meant for. ◆ Never use the tool next to volatile flammable material such as petrol, solvents, paints or gas. ◆ Never supply air to the tacker at a different pressure than indicated in the table on the Data Sheet. ◆ Never drive staples or nails on top of earlier ones. ◆ Do not staple too close to the edge of the object: dangerous chips might fly off. ◆ Do not use air coupling which retain compressed air within the gun after it has been disconnected from the air.

A.3 - Disconnection from the supply

The machine must be disconnected from the compressed air supply system when:

- ◆ the machine is not in use.
- ◆ you must leave your working area unguarded, even just for a few minutes.
- ◆ the stapler is jammed;
- ◆ the stapler needs to undergo servicing or repairs.

Section B

Compressed air supply system

B.1 Foreword

Peak performance of the staplers and the length of their useful life depend chiefly on the compressed air supply system: a properly sized system built of quality components and subjected to regular maintenance assures the best performance of the connected pneumatic staplers.

B.2 - Design of the compressed air system

The system must take into account the following factors:

- ◆ The power of the air compressor must meet requirements both with regard to pressure and to the air flow supplied. It should be remembered that a pressure drop takes place along the line due to load losses through chokes, outlets, etc.;
- ◆ the main service line must be of adequate size to cope with the type and number of users connected. Whenever possible, avoid using chokes, elbows or any other means to break the flow which might contribute to pressure drops along the line. The latter must be slightly inclined to drain off any condensation which unavoidably forms;
- ◆ the branch pipe with cock and steam trap must be shaped in such a way as to hinder the passage of condensation from the service line;
- ◆ the regulator unit with cock consists of a combination of filter-steam trap, a pressure regulator with pressure gauge and a microspray lubricator;

NOTE: To execute the connection to the compressed air mains, so-called quick-connect couplers are used, in which the male adapter must be mounted on the stapler in such a way that no compressed air remains in it after it has been disconnected from the mains.

B.3 - Servicing

Check regularly the pressure regulator unit and the oil pressure level in the lubricator for proper operation; if necessary, top up with oil for pneumatic tools. Proper tacker operation largely depends on moving parts being constantly lubricated, which only the microspray lubricator can assure. Drain off the condensation regularly (daily) from the lines and the filter-trap, since it damages the tacker. Clean the regulator unit filter weekly.

Section C

Information on the use of the stapler

C.1 - Tacker performance

It is important that the machine be used only for the purpose for which it was designed and that it not be tampered with in any way. Before starting to use it, always make sure there is no air leakage, that all parts work properly and especially that the safety system is perfectly efficient. Also make sure that the machine is clean and lubricated.

C.2 - Working pressure

The tacker must always be supplied at a pressure within the range indicated on the Data Sheet table. A higher pressure than the one suggested by the manufacturer increases the stress to which it is subjected and therefore the wear of some of the components. If on the other hand the pressure used is lower than shown on the table, proper performance cannot be assured. For proper performance and long life, the working pressure of the gun must always be the lowest possible required to assure full penetration of the staple or of the nail; therefore, if after shooting the fastener has not penetrated completely, increase the pressure by 0.5 bar at a time, checking the effect. If the penetration is excessive, reduce the pressure by 0.5 bar at a time until the required degree of penetration is achieved. It is strictly forbidden to supply the gun with high-pressure gas such as oxygen, carbon anhydride or other bottled gases: the gun might explode and cause serious damage and injury.

C.3 - Trigger and safety catch

These are highly important parts from a safety point of view and must therefore always be perfectly efficient. The safety catch must never be tampered with, removed or blocked in such a way as to void the purpose for which it was designed.

C.4 - Loading the tool

It is a safe practice to disconnect the gun from the compressed air line before loading it to rule out any cause for accidents. If the gun is not disconnected from the mains, take the utmost care in handling it since this may cause highly dangerous accidental shooting.

C.5 - Jam-clearing

If the gun jams, Disconnect the gun from the compressed air line and unload the magazine, clean the head, the magazine and any other parts connected with it. If jamming occurs too often, consult a specialized service centre.

NOTE: In order to avoid jamming, breakage or early wear, only use staples or nails of the type indicated for each model. OMER staples and nails are of a size and quality that make them ideal for staplers and therefore assure top performance at all times and long life. OMER spa does not answer for damage to the gun due to the use of staples or nails of types not suitable for the model.

Section D

Information regarding maintenance and repair

D.1 - Maintenance instructions

In order to assure the safety and reliability of OMER guns, maintenance and repairs must be carried out by skilled persons and OMER original spare parts must always be used. If you notice any irregularities in the operation of the machine, stop work at once, disconnect it straight away from the compressed air supply and unload the magazine. Do not reconnect the machine to the compressed air line before it is in a perfect state of repair.

D.2 - Routine servicing

Before connecting the gun to the compressed air system, always check that the trigger and safety catch are perfectly efficient. Never use the machine unless these safety arrangements work to perfection.

If a microspray lubricator on line with the system is not available, add a few drops of special oil for pneumatic tools through the air supply coupling. Never use gasoline, kerosene or detergent oils.

Before starting to work, check the gun for perfect tightness to pressure. If any leakage is noticed, the machine must be checked thoroughly before use.

Every day, after completing work, clean out the magazine with an air jet, all moving parts and any points in the gun where dirt may settle. Do not clean the gun with solvents, as this might damage the paint and some internal parts; do not submerge it in water or other liquids.

D.3 - Inspections and repairs

Inspect the inside of the gun regularly to check the state of repair of parts subject to wear.

To do so, unscrew the head screws with the hex spanner supplied, open the gun and remove the different components.

Check carefully the state of wear of the O-rings and of the rubber parts. Replace the worn parts with OMER original spare parts. Lubricate the O-rings and moving parts with a fine film of special grease for pneumatic tools. Wash the bronze silencer - if provided - by dipping it into a solvent for a few minutes and then blasting it dry with a jet of compressed air.

Check the state of the shock absorber: if it shows signs of wear or failure, it needs replacing. This is very important for the safety of the gun and therefore for operator protection as well. Finally check the state of wear of the end of the back plate. If it is replaced and is of the threaded type, screw the replacement onto the piston using a medium strong thread braking liquid. On some models there is a servovalve inside the head, fitted in its seat; if you need to remove it, check the position of the reference notches cut in the brass bush and the head. When you put back the servovalve bush, make sure that its notch is aligned with the one grooved into the head. Never wash the O-rings and other rubber parts with solvents, gasoline, kerosene, etc.

WARRANTY

OMER spa undertakes to replace free of charge any parts which its engineers acknowledge to be faulty due to manufacturing or material defects, during the life of the machine. The guarantee does not cover any components subject to normal wear and tear during operation (shock absorber, back plate, etc.). This guarantee is void if malfunction or breakage are due not to manufacturing faults but to an improper use of the tool, not in conformity with the manufacturer's instructions. Freight charges are always at the buyer's expense.

INTRODUCTION:

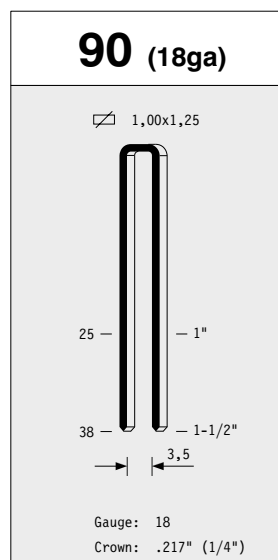
The 90.38 FL2 tool is designed for fixing wood flooring with thicknesses of:

3/8" - 10 mm | 1/2" - 12 mm | 5/8" - 15 mm.

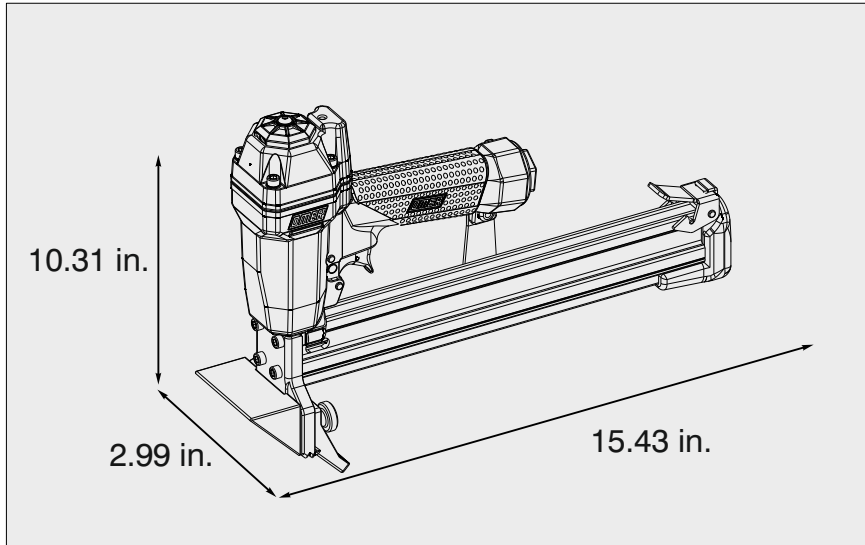
TECHNICAL DATA:

<i>Usable length of fasteners:</i>	1" ÷ 1-1/2"
<i>Working pressure:</i>	5,5 ÷ 6,5 bar 80 ÷ 95 psi
<i>Weight:</i>	4,63 lbs
<i>Magazine capacity:</i>	180 staples
<i>Type of loading:</i>	bottom
<i>Air consumption:</i>	0,54 litres/shot
<i>Sound pressure at workstation:</i>	83,1 dB(A)
<i>Emitted sound power:</i>	92,9 dB(A)
<i>Weighted mean value of vibration on the grip</i>	6,4 m/s ²

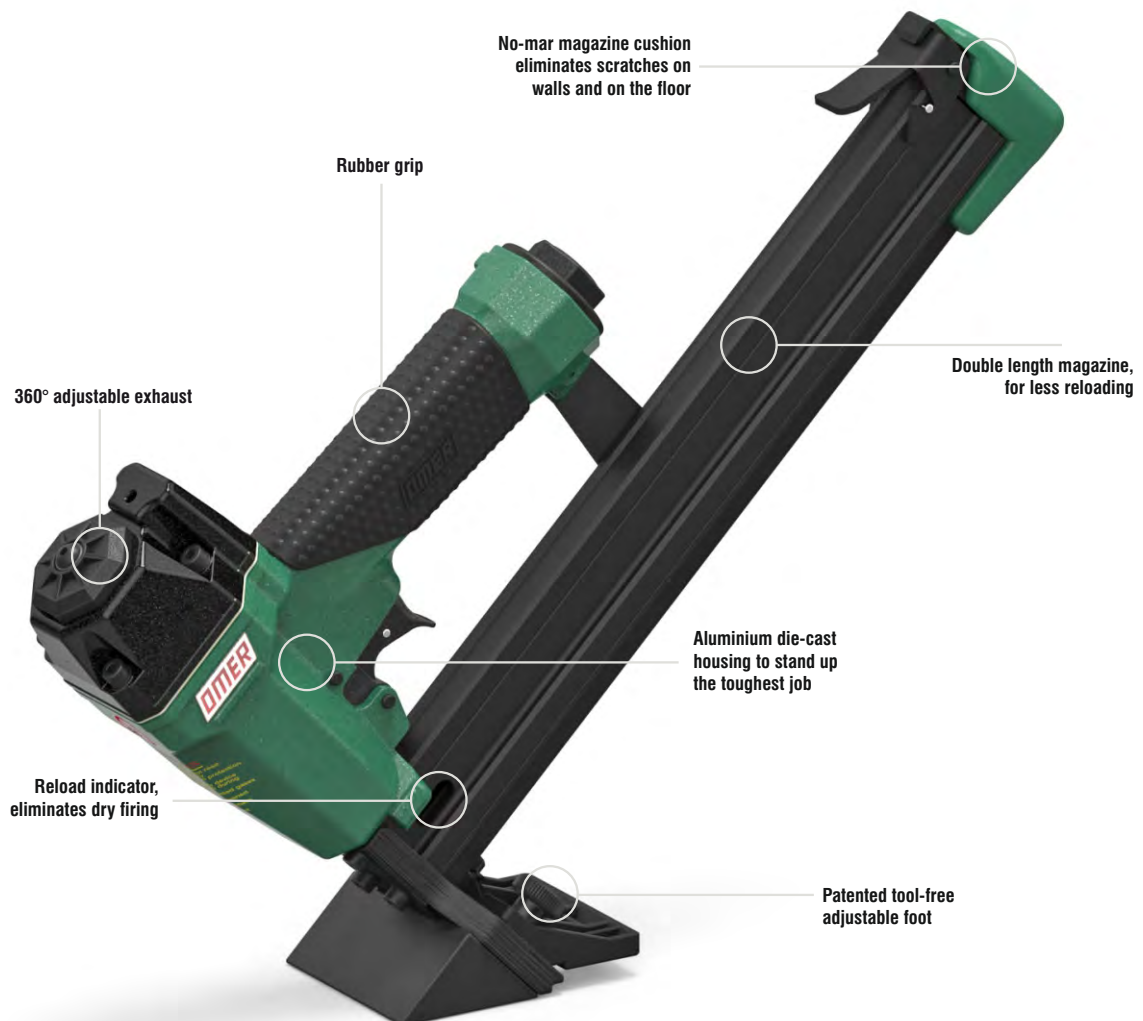
TYPE OF FASTENER:



DIMENSIONS:



FEATURES:

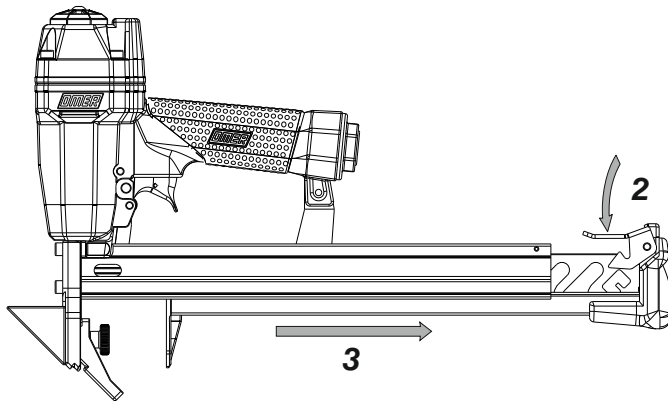


LOADING:



NEVER pull the trigger or the contact safety while loading magazine

Bottom loading

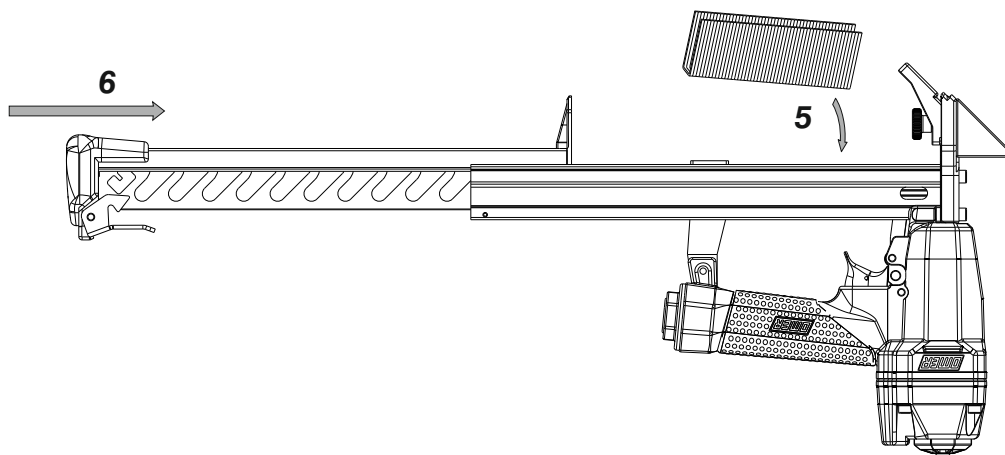


1 - Disconnect the tool from air system

2 - Push the locking trigger

3 - Move the slider backwards

4 - Turn the tool upside down



5 - Insert staples into magazine (max. 180 staples)

6 - Close slider until trigger hooks to magazine

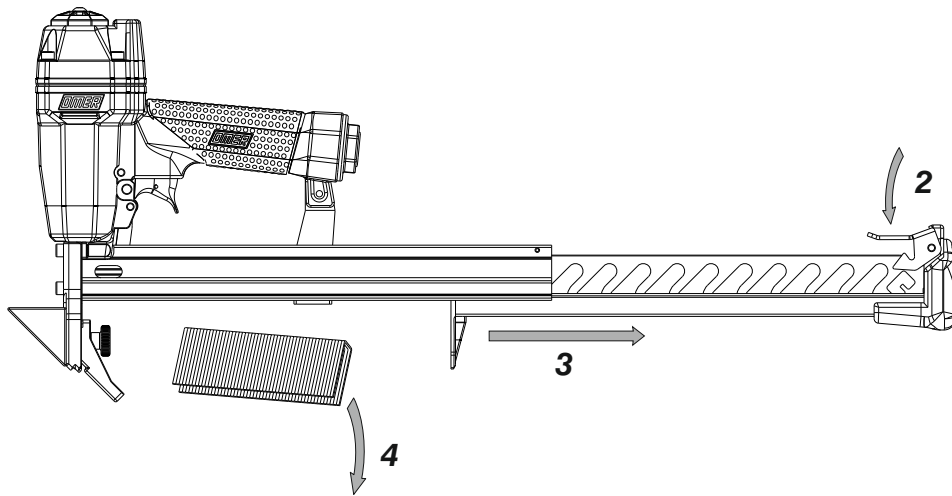
7 - Reconnect air system

NOTE - For correct operations do always use OMER original fasteners

JAM CLEARING:



NEVER pull the trigger or the contact safety while jam clearing

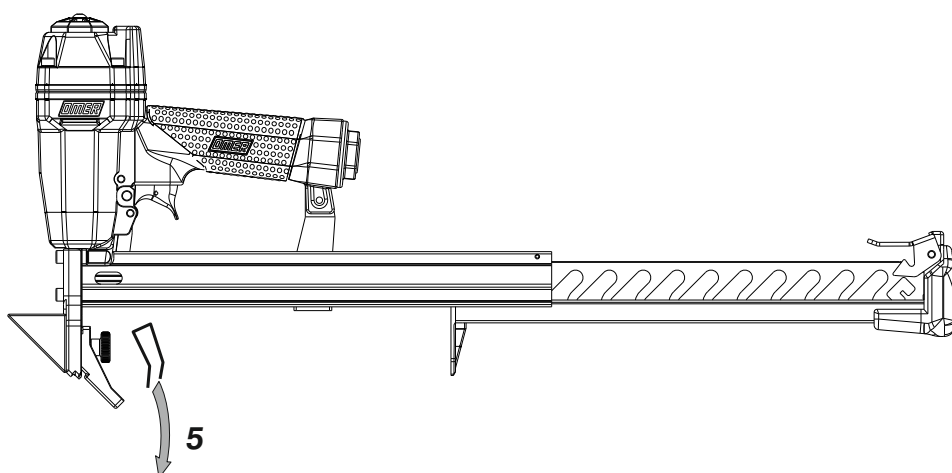


1 - Disconnect the tool from air system

2 - Push the locking trigger

3 - Move the slider backwards

4 - Remove staple from magazine

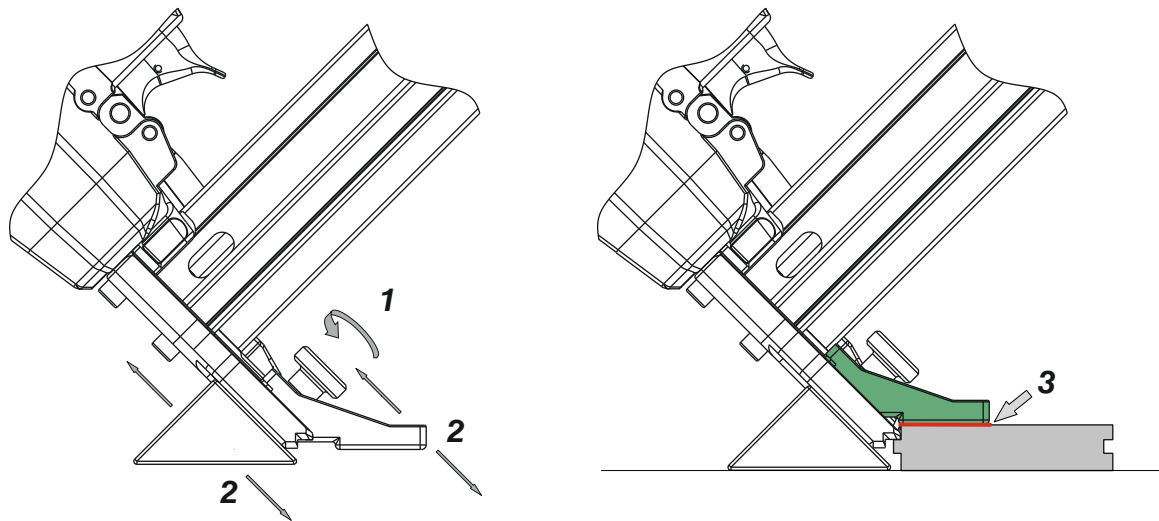


5 - Remove jammed staple from driving channel

6 - Perform loading operations

NOTE - If the tool keeps jamming, please stop operations and refer to an authorized dealer

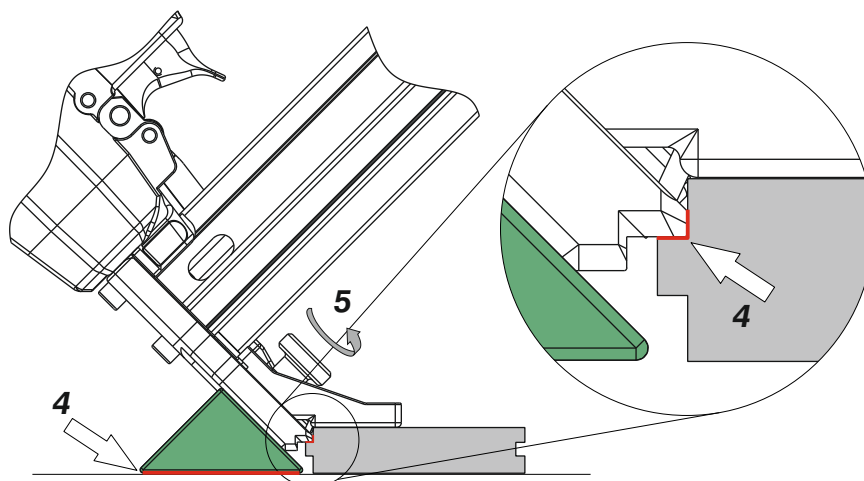
FOOT ADJUSTMENT:



1 - Loosen the locking knob

2 - Spacer and supporting foot are now mobile

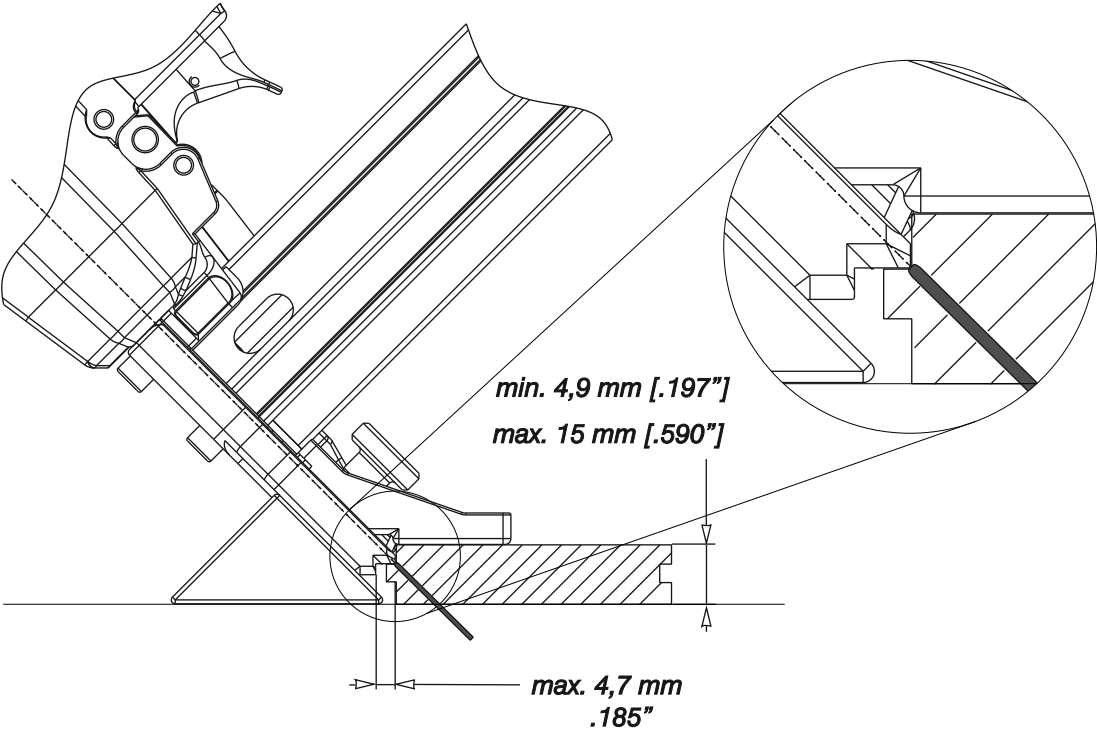
3 - Position the supporting foot against the flooring surface



4 - Position the spacer in such a way that the base will be in contact with the flooring surface and the wood spline is embedded in the tool nose

5 - Tighten the knob

FLOORING THICKNESSES:



FASTENER LENGHT CHOICE:

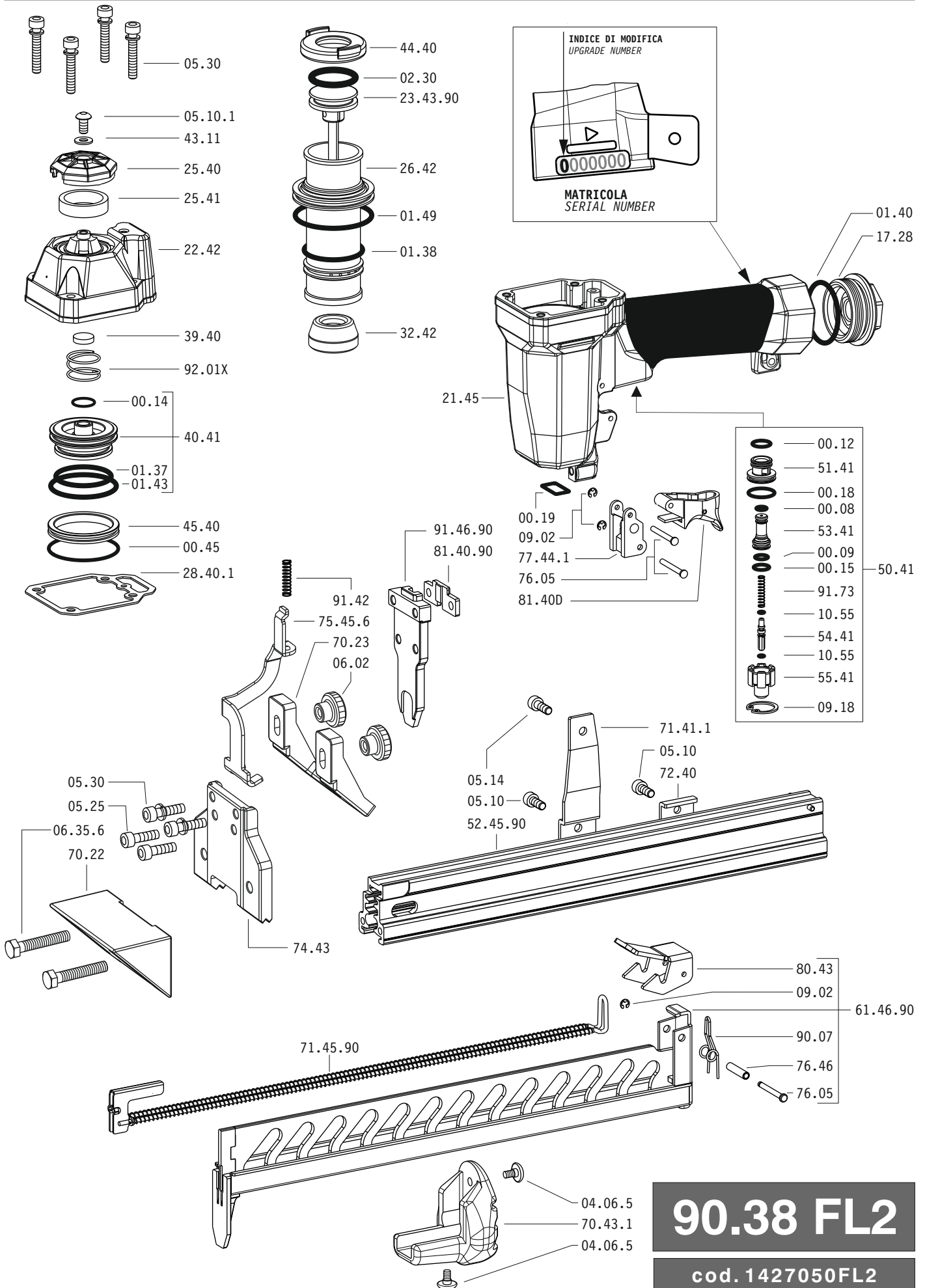
Flooring Thicknesses

Fastener Recommendation

<p>3/8"- 10 mm Engineered wood flooring</p>	<p>Staple 1" 25 mm Staple 1-1/8" 28 mm Staple 1-1/4" 32 mm</p>
<p>1/2"- 12 mm Engineered wood flooring</p>	<p>Staple 1-1/8" 28 mm Staple 1-1/4" 32 mm Staple 1-1/2" 38 mm</p>
<p>5/8"- 15 mm Engineered wood flooring</p>	<p>Staple 1-1/4" 32 mm Staple 1-1/2" 38 mm</p>

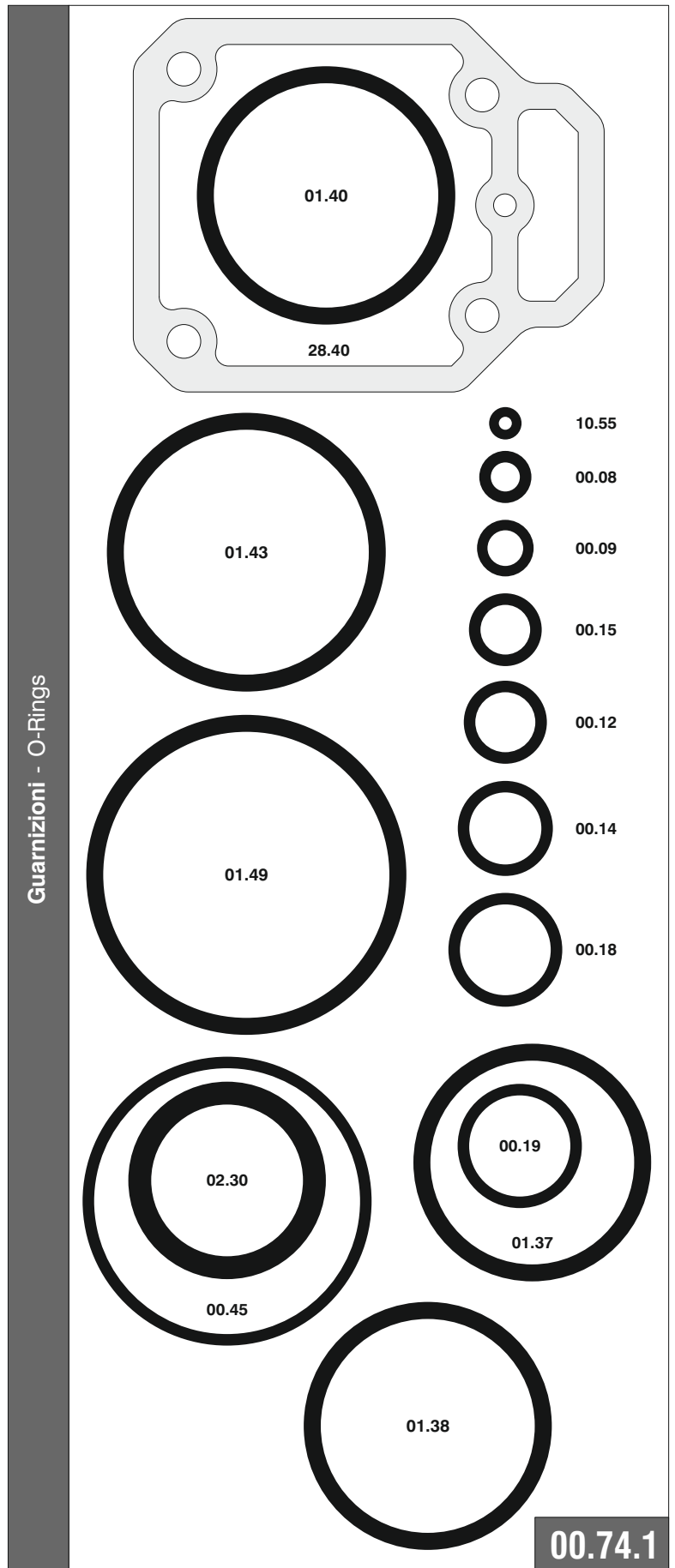
NOTE - This chart only offers general information about the most common flooring installations. Do always follow the floor manufacturer instructions and guidelines.

Parti di ricambio - Spare parts



Parti di ricambio - Spare parts

Cod.	Descrizione	Description
00.08	O-Ring	O-Ring
00.09	O-Ring	O-Ring
00.12	O-Ring	O-Ring
00.14	O-Ring	O-Ring
00.15	O-Ring	O-Ring
00.18	O-Ring	O-Ring
00.19	O-Ring	O-Ring
00.45	O-Ring	O-Ring
01.37	O-Ring	O-Ring
01.38	O-Ring	O-Ring
01.40	O-Ring	O-Ring
01.43	O-Ring	O-Ring
01.49	O-Ring	O-Ring
02.30	O-Ring	O-Ring
04.06.5	Vite	Screw
05.10	Vite	Screw
05.10.1	Vite	Screw
05.14	Vite	Screw
05.25	Vite	Screw
05.30	Vite	Screw
06.02	Pomello	Knob
06.35.6	Vite	Screw
09.02	Anello elastico	Elastic ring
09.18	Anello elastico	Elastic ring
10.55	O-Ring	O-Ring
17.28	Tappo	Inlet cap
21.45	Corpo	Body
22.42	Testa	Head
25.40	Deflettore	Exhaust deflector
25.41	Silenziatore	Silencer
26.42	Cilindro	Cylinder
28.40	Guarnizione testa	Head gasket
32.42	Ammortizzatore	Bumper
39.40	Guarnizione scarico	Exhaust seal
40.41	Valvola completa	Valve ass'y
43.11	Rondella	Washer
44.40	Guarnizione	Gasket
45.40	Anello valvola	Ring
50.41	Pulsante completo	Trigger valve ass'y
51.41	Boccola pulsante	Trigger valve housing
53.41	Pistone servovalvola	Valve piston
54.41	Pulsante	Trigger valve
55.41	Raccordo pulsante	Bush
70.22	Supporto	Support
70.23	Appoggio	Rest
70.43.1	Protezione	Guard
71.41.1	Reggicaricatore	Support
72.40	Fermo carrello	Slider stop
74.43	Piastra	Plate
75.45.6	Sicura	Safety
76.05	Perno	Pin
76.46	Perno molla	Pin
77.44.1	Guida sicura	Safety guide
80.43	Grilletto chiusura	Trigger
81.40D	Grilletto comando	Trigger
90.07	Molla	Spring
91.42	Molla	Spring
91.73	Molla	Spring
92.01X	Molla	Spring
23.43.90	Battente	Driver
52.45.90	Caricatore	Magazine
61.46.90	Carrello	Slider
71.45.90	Spingipunto	Pusher
81.40.90	Controtestina	Nose
91.46.90	Testina	Nose plate



90.38 FL2

cod. 1427050FL2

Indice di modifica
Upgrade number

2

TROUBLESHOOTING:

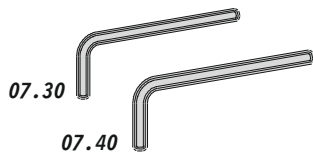
PROBLEM	POSSIBLE SOLUTION
<i>Fastener will not drive completely into the wood</i>	<ul style="list-style-type: none"> - Increase air pressure (do not exceed 7 bar / 100 PSI) - Use larger air lines (3/8 inch ID minimum) - Check if lubrication of your air system is working the correct way
<i>Fastener penetrate properly during normal operation, but won't drive fully at faster speed.</i>	<ul style="list-style-type: none"> - Increase air pressure (do not exceed 7 bar / 100 PSI) - Use larger air lines (3/8 inch ID minimum)
<i>Fastener drives too deep into wood</i>	<i>Reduce air pressure</i>
<i>Fastener jams into the tool nose</i>	<i>Perform jam clearing operations</i>
<i>Dry shooting from time to time</i>	<ul style="list-style-type: none"> - Check magazine for proper fasteners (use only fastener in compliance with declared sizes) - Magazine pusher needs to move freely. Remove dirt or debris which may compromise performance
<i>Tool operates, but no fastener is driven</i>	<ul style="list-style-type: none"> - Check if fasteners are available into magazine - Check magazine for proper fasteners (use only fastener in compliance with declared sizes) - Magazine pusher needs to move freely. Remove dirt or debris which may compromise performance - Open the slider and check for jammed staples
<i>Tool does not operate</i>	<ul style="list-style-type: none"> - Check if air system is working - Check connections between tool and air system - Check air system pressure (min 80 PSI - max 95 PSI) - Make sure that the safety pushes against working surface
<i>Air leak from cap when tool is connected to air</i>	<i>Tighten cap screws</i>

NOTA - In case your problem persists, please contact an authorized dealer for repair

TOOL CASE CONTENTS:



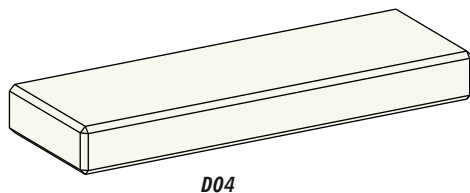
Use manual and spare parts



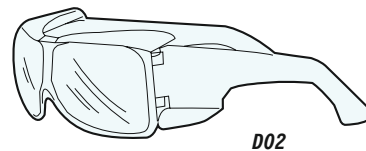
*Hex head wrench
to service the tool*



*Pneumatic oil bottle to
lubricate the tool*



*Plastic block to fit
wood flooring boards*



*Safety glasses
for your protection*