

NOVUS J-316A

pneumatic

Drucklufttacker
Pneumatic Tacker
Agrafeuse pneumatique



CE



Erklärung

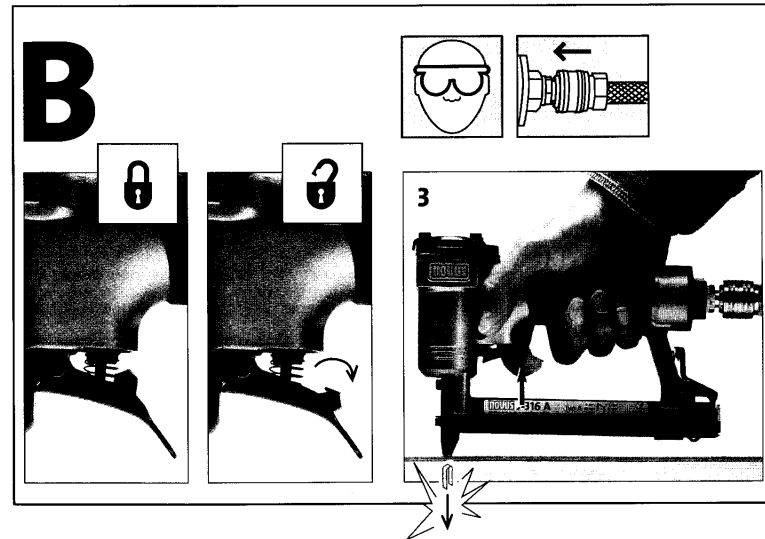
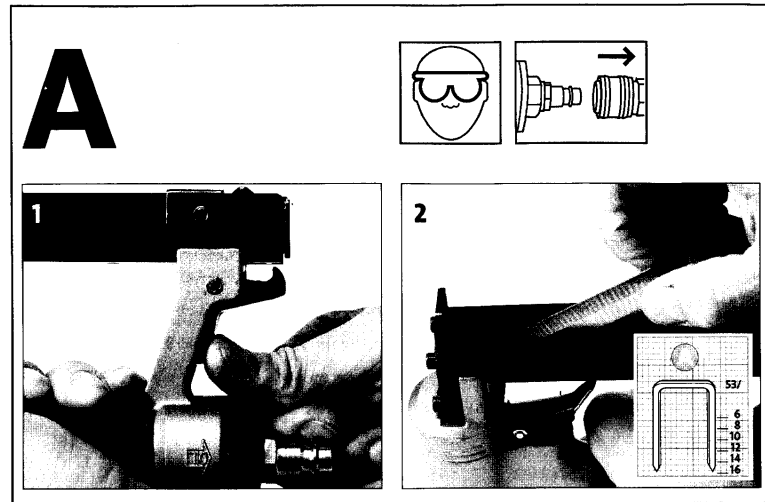
Description

Légende

1	Druckluftanschluss	Compressed air connection	Raccord pneumatique
2	Griffabdeckung	Handle cover	Gaine de poignée
3	Auslösersperre	Trigger stopper	Blocage du déclencheur
4	Auslöser	Trigger	Déclencheur
5	Magazinverriegelung	Magazine lock	Verrouillage du magasin
6	Heftmittelaustritt (Nase)	Fastener outlet (nozzle)	Sortie de l'élément de fixation (bec)

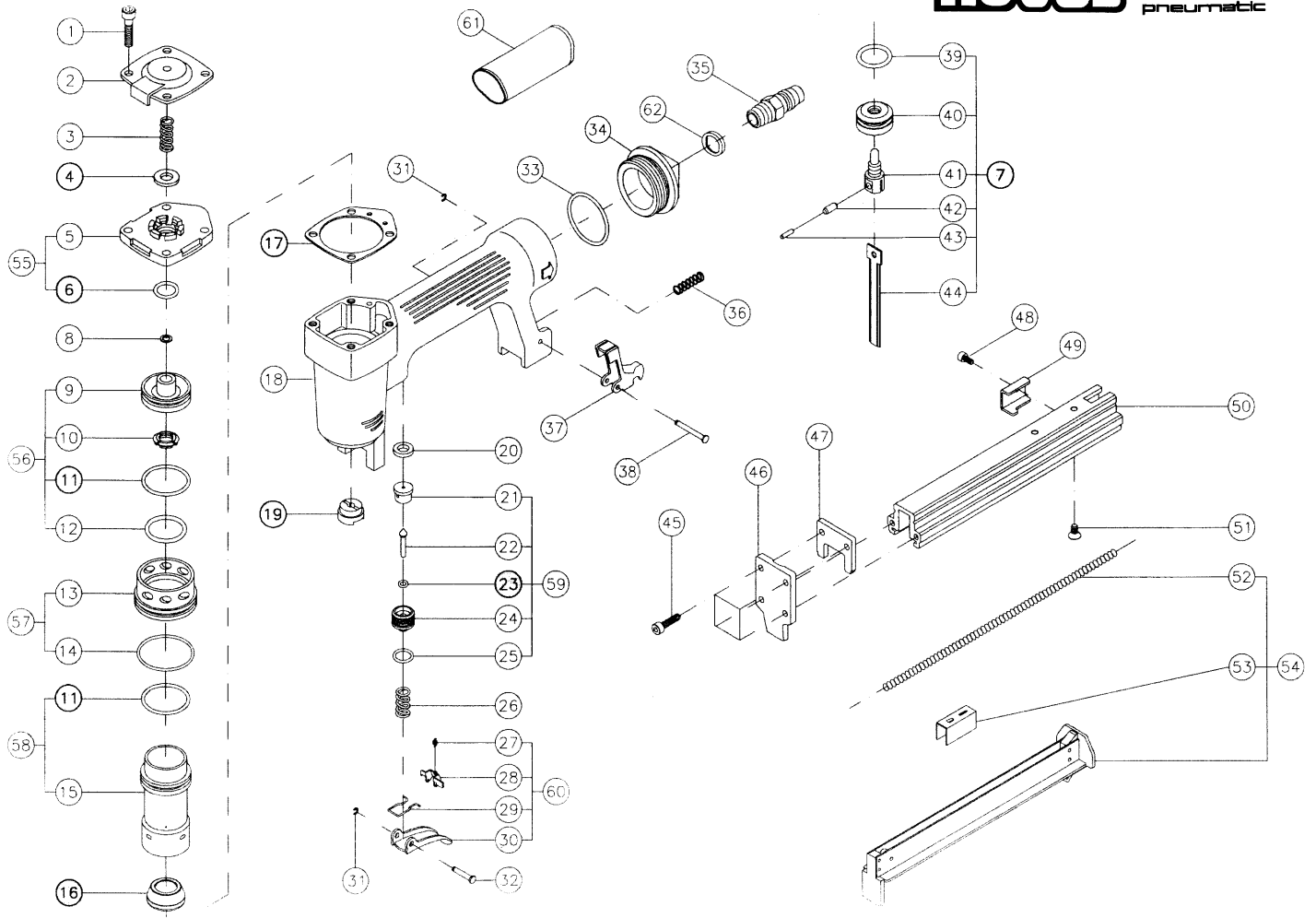
A	1 Magazin öffnen	1 Open magazine	1 Ouvrir le magasin
	2 Heftmittel einlegen	2 Insert fasteners	2 Mettre l'élément de fixation

B	1 Auslösersperre geschlossen	1 Trigger stopper closed	1 Blocage du déclencheur fermé
	2 Auslösersperre geöffnet	2 Trigger stopper open	2 Blocage du déclencheur ouvert
	3 Schussauslösung	3 Shot release	3 Déclenchement du tir



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Ersatzteilliste / Spare parts list / Liste de pièces de rechange: NOVUS J-316 A

1	Schraube ø 5 x 22	screw ø 5 x 22	Vis ø 5 x 22	32	Achse ø 5 x 17,5	step pin ø 5 x 17.5	Axe ø 5 x 17,5
2	Entlüftungsdeckel	exhaust cover	Couvercle de purge	33	O-Ring ø 31,42 x 2,62	o-ring ø 31.42 x 2.62	Joint torique ø 31,42 x 2,62
3	Druckfeder	compression spring	Ressort de pression	34	Abschlussdeckel	tail cover	Couvercle terminal
4	800-6289 Dichtungsring	seal, air	Bague d'étanchéité	35	Kupplungsstecker Typ KS-1/4-S	air, plug	Fiche de couplage type KS-1/4-S
5	Zylinderdeckel	cylinder cap	Couvercle du cylindre	36	Druckfeder	compression spring	Ressort de pression
6	800-6290 O-Ring ø 34 x 1	o-ring ø 34 x 1	Joint torique ø 34 x 1	37	Verriegelungshebel	click lever	Cliquet
7	220-2399 Kolben, komplett	piston set	Piston, complet	38	Achse ø 5 x 26	step pin ø 5 x 26	Axe ø 5 x 26
8	Unterlegscheibe	plain washer	Rondelle	39	O-Ring ø 17,3 x 3	o-ring ø 17.3 x 3	Joint torique ø 17,3 x 3
9	Kolbenkopfventil	head valve piston	Soupape de tête de piston	40	Kolben	piston head	Piston
10	Kolbenanschlagpuffer	piston stopper	Butoir de piston	41	Treiberaufnahme	driver blade pin	Logement du propulseur
11	800-6291 O-Ring ø 26,6 x 2,4	o-ring ø 26.6 x 2.4	Joint torique ø 26,6 x 2,4	42	äußere Spannhülse ø 4 x 10	outer spring pin ø 4 x 10	Douille de serrage extérieure ø 4 x 10
12	O-Ring ø 21,3 x 3	o-ring ø 21.3 x 3	Joint torique ø 21,3 x 3	43	innere Spannhülse ø 2,5 x 10	inner spring pin ø 2.5 x 10	Douille de serrage intérieure ø 2,5 x 10
13	Hülse	collar	Douille	44	Treiber	driver blade	Propulseur
14	O-Ring ø 33 x 2	o-ring ø 33 x 2	Joint torique ø 33 x 2	45	Schraube ø 4 x 16	screw ø 4 x 16	Vis ø 4 x 16
15	Zylinder	cylinder	Cylindre	46	Stirnplatte	driver guide	Plaque frontale
16	800-6292 Puffer	bumper	Butoir	47	Führungsplatte	spacer	Plaque de guidage
17	800-6293 Zylinderkopfdichtung	gasket	Joint d'étanchéité (tête de cylindre)	48	Schraube ø 4 x 8	screw ø 4 x 8	Vis ø 4 x 8
18	Gehäuse	body	Boîtier	49	Anschlag	stopper	Butée
19	800-6294 Mundstück	nozzle	Bouche	50	Außenkanal	upper mag.	Canal extérieur
20	Dichtungsring	seal, air	Bague d'étanchéité	51	Schraube ø 4 x 8	screw ø 4 x 8	Vis ø 4 x 8
21	Ventilbuchse	trigger valve head	Douille de soupape	52	Zugfeder	extension spring	Ressort de traction
22	Ventilstift	trigger valve stem	Tige de soupape	53	Schieber	nail tank	Coulisse
23	800-6295 O-Ring ø 3,8 x 1,5	o-ring ø 3.8 x 1.5	Joint torique ø 3,8 x 1,5	54	Klammerträger komplett	lower mag. ass'y	Porte-agrâfes, complet
24	Ventilstiftführung	trigger valve guide	Guide de tige de soupape	55	Zylinderdeckel, komplett	cylinder cap set	Couvercle du cylindre, complet
25	O-Ring ø 9,8 x 1,9	o-ring ø 9.8 x 1.9	Joint torique ø 9,8 x 1,9	56	Kolbenkopfventil, komplett	head valve piston set	Soupape de tête de piston, complète
26	Druckfeder	compression spring	Ressort de pression	57	Hülse, komplett	collar set	Douille, complète
27	Auslöserfeder	trigger spring	Ressort du déclencheur	58	Zylinder, komplett	cylinder ass'y	Cylindre, complet
28	Auslösersperre	trigger stopper	Blocage du déclencheur	59	Ventil, komplett	trigger valve set	Soupape, complète
29	Sperrfeder	holder spring	Ressort d'arrêt	60	Auslöser, komplett	trigger set	Déclencheur, complet
30	Auslöser	trigger	Déclencheur	61	Griffabdeckung	handle grip	Gaine de poignée
31	Sicherungsring ø 2,5	e-ring ø 2.5	Circlip ø 2,5	62	Dichtungsring	seal, air	Bague d'étanchéité

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Technische Daten

Maße L x B x H:
244 x 47 x 146 mm

Gewicht:
0,92 kg

Arbeitsdruck:
4-7 bar

max. Betriebsdruck:
7 bar

Eintreibgegenstand:
NOVUS Typ (A) 53/6 -16 mm
Abmessungen:
Draht: 0,72 x 0,54 mm
Innen: 10,15 mm
Außen: 11,29 mm

Luftverbrauch:
0,066 l/Nagelung bei 6 bar

Geräuschkennwerte:
 $L_{WA,15} = 86$ dB
 $L_{PA,15} = 83$ dB

Vibrationskennwert --- m/s²
(Wert < 2,5 m/s²)

Auslösesystem:
Einzelauslösung mit
Auslösesicherung

Magazinsystem:
Unterladersystem

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Technical Description

Dimensions L x W x H:
244 x 47 x 146 mm

Weight:
0.92 kg

working pressure:
57 - 100 psi

max. operating pressure:
100 psi

Fastener:
NOVUS Typ (A) 53/6 -16 mm
Dimensions:
Wire: 0.72 x 0.54 mm
Inside: 10.15 mm
Outside: 11.29 mm

Air consumption:
0.066 l/shooting at 90 psi

Noise characteristics:
 $L_{WA,15} = 86$ dB
 $L_{PA,15} = 83$ dB

Vibration value --- m/s²
value < 2.5 m/s²)

Triggering system:
Single-Fire Trigger with
Trigger Safety

Loading system:
Bottom-loading system

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Caractéristiques techniques

Dimensions L x l x H:
244 x 47 x 146 mm

Poids:
0,92 kg

Pression de fonctionnement:
4-7 bars

Pression de service max.:
7 bars

Éléments de fixation:
NOVUS Type (A) 53/6 -16 mm
Dimensions:
Fil: 0,72 x 0,54 mm
Intérieur: 10,15 mm
Extérieur: 11,29 mm

Consommation d'air:
0,066 l/cycle à 6 bars

Caractéristiques acoustiques:
 $L_{WA,15} = 86$ dB
 $L_{PA,15} = 83$ dB

Caractéristique de vibration---
m/s²
(valeur < 2,5 m/s²)

Système de déclenchement:
Déclenchement simple avec
sécurité de déclenchement

Système de chargeur :
Chargeur inférieur

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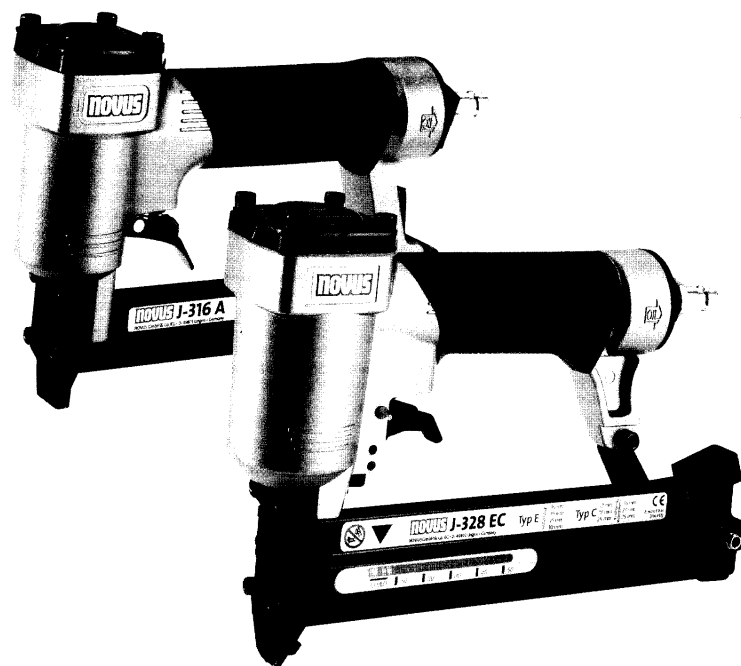
NOVUS
BEFESTIGUNGSTECHNIK

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NOVUS J-316 A pneumatic

NOVUS J-328 EC pneumatic

Drucklufttacker
Pneumatic Tacker
Agrafeuse pneumatique



CE

D

Konformitätserklärung. Die Firma NOVUS GmbH & Co. KG, Postfach 1860, D-49803 Lingen, erklärt in alleiniger Verantwortung, dass die folgenden Produkte NOVUS Drucklufttacker J-316 A, J-328 EC, auf welche sich diese Erklärung bezieht, mit den folgenden Normen oder normativen Dokumenten sowie EG-Richtlinien übereinstimmen: 89/392 EWG i.d.F., 91/368 EWG, prEN792-13, EN292-1 und EN-292-2, ISO8662-11, DIN 45635-66-KL2.

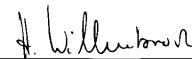
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Declaration of conformity. The company NOVUS GmbH & Co. KG, Postfach 1860, D-49803 Lingen hereby declares under its sole responsibility that the products NOVUS Pneumatic Tackers J-316, J-328 EC to which this declaration relates are in conformity with the following standards or other normative documents or the regulations of directives: 89/392 EWG i.d.F., 91/368 EWG, prEN792-13, EN292-1 and EN-292-2, ISO8662-11, DIN 45635-66-KL2.

F

Déclaration de conformité. La société NOVUS GmbH & Co. KG, Postfach 1860, D-49803 Lingen, déclare sous sa seule responsabilité, que les agrafeuses pneumatiques NOVUS J-316 A, J-328 EC auxquelles se réfère cette déclaration, sont conformes aux normes ou autres documents normatifs suivants: 89/392 EWG i.d.F., 91/368 EWG, prEN792-13, EN292-1 et EN-292-2, ISO8662-11, DIN 45635-66-KL2.

Lingen, 01.09.2001



Hans Willenbrock

D

Achtung!
Interessante Anwendungshinweise hält Ihr Händler im kostenlosen NOVUS Tackerhandbuch für Sie bereit.
Bei Bestellung von Ersatzteilen sind unbedingt die Bestell-Nr. des Ersatzteiles und die Fabrikations-Nr. des Gerätes anzugeben!
Ausgabe 2001: Änderungen vorbehalten!

GB

Note:
Valuable tips regarding tacker jobs are available, free of charge, in our booklet "TACKER ABC".
When ordering spare parts, always state the order no. of the spare part and also the serial number of the machine.
Issue 2001: modifications reserved!

F

Attention!
Des conseils importants sur l'agrafage se retrouvent dans notre manuel de l'agrafage à votre disposition.
Pour toute commande de pièces détachées, indiquer le numéro de pièce et le numéro de série de l'appareil!
Edition 2001: sous réserve de modifications!



1 Special remarks

1.1 Regulations

Tackers must comply with ES 792-13:2000 „Hand-held non-electric power tools - Safety requirements - Part 13: Tackers“

This standard stipulates that

tackers must only be employed to drive in fasteners listed in the operating instructions accompanying the tool (see technical specifications). The tacker as well as the fasteners described in the operating instructions are to be considered as a system in compliance with the safety specifications.

rapid action hose couplings must be employed to connect the tool to the compressed air system and the male connector must be affixed to the tool in such a manner that no air remains in the tool after the line has been disconnected;

oxygen and other flammable gases must not be used as an energy source for pneumatic tackers;

tackers must only be connected to air lines in which the pressure is unable to exceed the maximum operating pressure of the tool by more than 10%. If the pressure is higher, a pressure control valve (pressure limiter) equipped with a downstream pressure relief valve must be installed in the compressed air line;

only those replacement pieces authorised for use by the manufacturer or his agent may be employed in the repair of tackers;

repair work must be only performed by the manufacturer or other competent repair professionals in accordance with the specifications printed in the operating instructions;

Note: A competent repair professional is defined as a person who possesses sufficient knowledge of tackers due to his professional training and experience and who has sufficient knowledge of the relevant government work safety regulations, accident prevention regulations, guidelines and generally recognised codes of practice (e.g. CEN or CENELEC Standards) to permit him to evaluate whether the tacker is safe for operations.

mounting devices whose purpose it is to fix the tacker to a base, e.g. a work table, must be designed by their manufacturer to allow the tacker to be affixed in such a way that it can be safely operated, e.g. preventing damage, twisting or shifting.

The use of the tacker in particular areas of application may require compliance with additional regulations and directives (e.g. work areas where danger of explosion exists).

1.2 Noise emission

The noise output of the tacker was measured in accordance with EN 12549:1999 „Acoustics - Noise test code for fastener driving tools - Engineering method“ (see technical specifications).

These values are a measure of the noise output of the tool itself and are not an indication of noise in the workplace. The workplace noise levels will depend upon, for example, the surroundings, the work material, the work surface, the number of fasteners being driven.

According to the workplace conditions and the nature of the work material, measures specific to the case in hand may have to be taken to reduce noise levels, for example, by laying the work material on a sound-absorbing base, by reducing work material vibration by securing it in a vice or covering it up, by setting the operation pressure to the lowest position possible for the task being performed.

In special cases, personal ear protection should be worn.

1.3 Mechanical impacts (vibration)

The vibration measurements for the tacker were carried out in accordance with ISO 8662-11:1999 – Handheld motor-driven Machines - Measurement of mechanical vibrations of handle - Tackers (see technical specifications).

The value is a measure of the vibration produced by the tool itself and does not represent the effect on the hand or arm when the tacker is in use. The effect on the hand and arm depends upon how strongly the machine is gripped or pushed against the work material, the angle the tool is held at, the pressure setting, the work surface and the base being worked on.

1.4 Tacker safety guidelines

Each time before use, verify that safety features and the trigger mechanism are working correctly and that all screws and nuts are firmly fastened.

- Do not make any unauthorised changes to the tacker.
- Do not disassemble the tacker or block the operation of any part, e.g. a trigger guard.
- Do not perform any „make-shift“ repairs using inappropriate material.
- The tacker must be properly serviced at regular intervals in accordance with the manufacturer's instructions.
- In order to avoid damaging or weakening the tacker,
 - do not engrave or strike the tool,
 - make modifications not approved by manufacturer,
 - drive fasteners using templates made of hard metal, e.g. steel,
 - drop or slide along the floor,
 - use as a hammer,
 - apply any kind of force.

1.5 Work safety guidelines

Never point a loaded tacker directly at yourself or at another person.

During use, hold the tacker in such a way as to avoid head and body injury in case of recoil as a result of a fault in the power supply or hard sections in the work material.



Do not fire the tacker into the air. This will prevent injuries from flying fasteners and avoid putting excess strain on the tool.

When moving about, disconnect the tool from the compressed air system, particularly when working on ladders or moving around in awkward positions.

In the workplace, carry the tool by the handle only and not with the trigger held down.

Pay special attention to the specific working conditions. Fasteners may pass through thin objects or may ricochet when working on corners and edges, thereby possibly causing injury to other persons.

For your own personal protection, use suitable protective clothing such as ear plugs and eye protectors.

1.6 Triggering mechanisms

This tacker is activated by pulling the trigger with your finger.

In addition, certain tackers must be equipped with trigger guard that prevents a fastener from being driven in if the muzzle is not placed against the work surface. These tackers are identified with an upside down triangle (▼) and must not be used without effective trigger guard.

A trigger guard is not necessary on tackers that only take the heaviest fastener being used to a free-flight velocity that falls below the resultant permissible risk of injury. Such tools are not identified with an upside down triangle.

1.7 Triggering systems

Depending on use, tackers may be equipped with different triggering systems.

Tackers with trigger guard (see 1.6)

Single-Fire Trigger with Trigger Guard (preferred method of use): In this triggering procedure, the trigger and the trigger guard must be activated each time before a fastener can be ejected. This means that when the trigger is pulled, a fastener is ejected only when the tacker muzzle is pushed against the point where the fastener is to be driven. Further fasteners can only be driven after the trigger has been returned to the starting position.

Single-Fire Trigger with Safety Sequence: In this triggering procedure, the trigger and the trigger guard must be activated each time before a fastener can be ejected. This means that when the trigger is pulled, a fastener is ejected only after the tacker muzzle is pushed against the point where the fastener is to be driven. Further fasteners can only be driven after the trigger and the trigger guard have been returned to the starting position.

Contact Trigger (restricted use): In this triggering procedure, the trigger and the trigger guard must be actuated before a fastener can be ejected, but the order in which this takes place is not important. To drive in further fasteners, all you have to do is actuate the trigger guard while keeping the trigger held down or vice versa.

Tackers equipped with contact trigger must bear the „Do not use on scaffolding or ladders“ symbol and must not be used

for certain applications, e.g.:

- when moving from one work point to the next over scaffolding, stairs, ladders or ladder-type structures such as roof laths,
- sealing boxes or crates,
- when attaching transport braces, e.g. on vehicles and wagons;

Rapid-Fire Trigger with Trigger Guard (restricted use, only permitted if the fastener does not exceed a length of 65 mm): In this triggering procedure the trigger and the trigger guard must be actuated each time before a fastener can be ejected, but the order in which this takes place is not important. The tacker will fire continuously as long as the trigger and trigger guard are held down.

Tackers equipped with rapid-fire trigger and trigger guard must bear the „Do not use on scaffolding or ladders“ symbol and must not be used for certain applications, e.g.:

- when moving from one work point to the next over scaffolding, stairs, ladders or ladder-type structures such as roof laths,
- sealing boxes or crates,
- when attaching transport braces, e.g. on vehicles and wagons.

„Do not use on scaffolding or ladders“ symbol
Colours: Red on white background,
tacker and ladder black



Tackers without trigger guard (see 1.6)

Single-Fire Trigger: In this triggering procedure, the trigger must be activated once each time a fastener is ejected. The trigger must be fully released before a new fastener can be driven in.

Rapid-Fire Trigger: In this triggering procedure, fasteners are ejected as long as the trigger is held down.

2 Compressed air system

For optimum tacker operation, dry, filtered <and oiled> compressed air is required in sufficient quantities.

If the pressure in the air lines is higher than the maximal admissible operating pressure of the tacker, a pressure control valve (pressure limiter) equipped with a downstream pressure relief valve must be installed in the inlet line to the tacker.

Note: When compressed air is generated using a compressor, the natural humidity in the air condenses and collects as condensation in the pressure chamber and tubing. This condensation must be removed from the system using water collectors. The collectors must be checked daily and emptied if necessary, otherwise rust may form in the pneumatic lines and the tacker and promote wear.

The compressors must be adequately rated in terms of pressure and suction capacity (volume flow) for the envisaged use. Inadequate line cross section in relation to line length (tubes and hoses) or overloading the compressor will lead to a drop in pressure.



Permanently laid air lines must have an internal diameter of at least 19 mm. Larger internal diameters must be selected for long air lines or if the line serves multiple users.

The air lines should be sloped (highest point towards the compressor). Install easily accessible water collectors at the lowest points.

All user air outlets should be installed on to the top side of the air lines. Compressed air outlets provided for use with tackers should be equipped with a compressed air maintenance unit (filter/water collectors/oiler) directly at the coupling.

<Oilers must be checked daily and, if necessary, be filled with recommended oil (see technical specifications/oiler). When using hoses over 10 m in length there is no guarantee that the tacker will be supplied with oil. For this reason, we recommend oiling the tool directly through the air input with 2-5 drops of oil (depending on frequency of use) daily or to install an oiler directly onto the tool.>

3 Preparing the tool before start-up

3.1 Preparing the tool before using for the first time

Read and follow these operating instructions before putting the tool into operation. It is imperative to observe the fundamental safety measures in order to avoid damaging the tool and injury to the operator or other persons present at the point of application.

Fitting the male connector.

<Further instructions are make and type-specific, e.g. thread type, sealing.>

Fitting a second handle.

<Further instructions are make and type-specific, e.g. different attachment, preventing loss.>

3.2 Connecting the tacker to the compressed air line

Make sure that the pressure in the compressed air lines does not exceed the maximal admissible operating pressure of the tacker. First set the air pressure to the lower recommended pressure level (see technical specifications).

Empty the magazine to prevent fasteners from being ejected during the next step in case parts inside the tacker failed to return to the initial position after repair work, maintenance or transport.

Connect the tacker to the compressed air system using an appropriate compressed air hose equipped with rapid action couplings.

Verify that the tacker is in proper working order by setting the muzzle against a piece of wood or wooden material and pulling the trigger once or twice.

3.3 Loading the magazine

It is only permissible to use the fastener (staples, clips and brads) listed in the technical specifications.

When loading the magazine hold the tool so that the muzzle is pointed neither towards yourself nor towards any other person.

<Further instructions are make and type-specific, e.g. closing the magazine, particular aspects to observe when inserting and removing fasteners, refilling.>

3.4 Tool use

Please pay special attention to Section 1 – Special remarks – of these operating instructions.

Once you have verified that the tool is in proper operating order, set the muzzle against the work surface and actuate the trigger.

Verify that the fastener was driven in according to specifications.

- If the fastener is not driven in all the way, increase the air pressure in 0.5 bar increments until the proper depth is obtained.
- If the fastener is driven in too far, reduce the air pressure in 0.5 bar increments until the fastener is driven in satisfactorily.

In all cases, try to work with the lowest required pressure. This has three essential advantages for you:

1. Energy savings
2. Noise levels are kept to a minimum
3. Tool wear is kept to a minimum

Avoid pulling the trigger when the magazine is empty.

Disconnect the tool immediately from the air supply if it is defective or not in proper working order and take it to a competent person for inspection.

Disconnect the tacker from the air supply and if possible empty the magazine before prolonged work breaks and after finishing work.

Protect the air connections on the tacker and the air hoses from dirt. Any coarse dust, shavings, sand etc. getting into the tacker will cause leaks and damage the tool and the couplings.

<Further instructions are make and type-specific, e.g. information on particular tool characteristics and equipment, particular characteristics of the fastener.>

4 Maintenance

Disconnect tool from compressed air system and empty the magazine.

<Further instructions are make and type-specific, e.g. topping up oil periodically, scope and frequency of servicing and testing.>



5 Troubleshooting

Disconnect tool from the compressed air system and empty magazine.

<Further instructions are make and type-specific, e.g. instructions on identifying faults and permissible repairs.>

6 Appendix (for information)

Connection of this European standard with EU directives

This European standard was prepared as part of a mandate granted to the CEN by the European Commission and the European Free Trade Area and supports fundamental requirements of the following EU directives:

Machine Directive 98/37/EC

Conformity with this standard is one of the ways of meeting the relevant fundamental requirements stipulated in the directive and EFTA regulations concerned.

8 Troubleshooting

Problem	Possible Cause	Solution
The tacker will not eject a fastener.	The air pressure is too low, control elements stuck together with grease after lengthy storage period.	Increase air pressure (do not exceed maximum), after a few test shots, reduce pressure again.
Fasteners are not being driven in all the way.	The air pressure is too low for the job at hand. The driver tip is possibly worn down.	Increase air pressure (do not exceed maximum). Driver may have to be replaced.
Air is leaking from the tool	The screws holding the exhaust cover in place are loose. Defective seal or o-ring.	Tighten screws, replace o-ring, send tool in.
The tacker is shooting „blanks“.	The fastener is not pushed far enough forward in tacker. The piston and driver did not return to the original position after firing. The triggering procedure was not completed correctly. Lack of grease. Air pressure too low.	Use authorised fasteners. Verify that the feed bar moves freely. Clean magazine. Replace stretched or damaged spring on feed bar. Bent driver? Increase air pressure (do not exceed max.). Follow correct triggering procedure. Oil the male connector (nipple) with a few drops of oil.
The magazine opens when the trigger is pulled.	The fastener cannot penetrate the work material. Use of non-authorised fastener. Click lever worn down. Spring under click lever worn out.	Use authorised fasteners. If necessary, replace click lever and spring. Verify driver guide and driver. Send tool in to customer service.
	Interference with firing groove and the driver guide. Driver broken. Driver hitting two fasteners at once.	
When the trigger is pulled, the driver jams in the lower area.	The connecting rod (outer or inner spring pin) between the piston and the driver is broken.	Send tool in to customer service.

In case of complex operating difficulties, please ring us. Our service department will deal with your problem as quickly as possible.