

The size of blind rivet must be agreed with the minimum length 4mm (5/32") and maximum length 10 mm (3/8"), figure C2 and C3. This size is needed more than the length of the thickness is wished to be riveted correctly, if not the riveting will be worse and RiveDrill will be able to be worse too.

**Figure D. Riveting.** Prepare the drill to turn to the right. Introduce the head of the blind rivet completely in the hole of the parts have to be joined, figure D1. While the drill is started to the right, RiveDrill must hold strongly with the hand on the telescopic body 5, figure D2. Stop the drill when the rivet has been fixed and the mandrel of the blind rivet has been broken. Caution The reaction in the hand that hold the RiveDrill can be increased depending on the material and the size of the blind rivets is been used.

**Figure E. Expel the mandrel of the RiveDrill.** Turning to the left and incline the RiveDrill to left the mandrel of the rivet falls while the RiveDrill is hold with the hand so that do not turn. Keep the drills turning to the left until the clack, clack, is listened that indicates the initial position with the hole control 4 closed to be prepared for the next blind rivet. Before inserting a new blind rivet, make sure that the previous mandrel has been expelled.

#### MAINTENANCE AND CLEANING.

**Figure F.** The jaws must be cleaned and lubricated from time to time and remove the dusty material that could be deposit.

If the machine should happen to fail despite an authorized customer services agent for MAQUINAS ANDREA power tools should carry out the care taken in manufacture and testing, repair. For spare parts requirement you may use the piece number of the Figure F.

#### BREAKDOWN, CAUSES AND SOLUTIONS

▣ If the rivet doesn't enter. Possible solution, the nosepieces 14, 15 or 16, Figure F is not chose correctly. Change the nosepiece. Fix the mandrel of the blind rivet inside of RiveDrill. Before to be continued, dismount RiveDrill and expel the mandrel. Possible jaw 5, figure F with defect. Disassemble and change it.

▣ The blind rivet is in but it doesn't work. Possible mechanism in position as figure B3. Act to work as position B2. Possible that the mandrel of the blind rivet is too short. Check the sizes as C4. Possible that the jaws are wearing or break. Clean or change it.

▣ RiveDrill set the rivet but does not expel the mandrel. Possible solution, the nosepieces 14, 15 or 16, Figure F is not chose correctly. Change the nosepiece. Possible that the jaws are wearing or break. Clean or change it. Possible than the mandrel is to thick. Check the rivet sizes C4.

#### RiveDrill WITH ONE FREE HAND

It is possible to use RiveDrill with a free hand. There are some especial attachments that allow working with RiveDrill with one free hand.

**Figure G.** The fixation F1 (optional) attaches the RiveDrill to the electric drills (with cable).

**Figure. H.** The fixation F2 (optional) attaches the RiveDrill to the cordless drill. (Without cable). The angle of the fixation F2 opens up or closes to keep the axis a straight.

#### SUITE CASE SC (optional)

A small suite case (400x350x100mm) can keep the RiveDrill and accessories together with the fixations F1 and F2 and with the drill. This case is also available to keep NutDrill AS to your supplier about NutDrill.

#### GUARANTEE

For this MAQUINAS ANDREA machine, we provide a 6-month guarantee against material and workmanship defects from the date of purchase (verified by invoice or delivery document) Damage that has occurred will be corrected by replacement or repair. Damage caused by normal wear, overloading or improper handling is excluded from the guarantee. Claims can only be accepted if the device is sent without having been disassembled, to a MAQUINAS ANDREA branch office, your MAQUINAS ANDREA sales representative or a customer service agent for MAQUINAS ANDREA power tools.

#### DECLARATION OF CONFORMITY.

Declaration of the manufacture according to 93/37/EC. This product has been designed exclusively for being built into another machine, or mounted onto another machine or other machines. It is forbidden to put this product into operation before the conformity of the final product with the provisions of the regulation 98/37/EC has been fulfilled. The conformity is fulfilled, for example, if this accessory is driven by a MAQUINAS ANDREA power tool according to the operating instructions or the pictogram instructions on the packing.

CE 09

MAQUINAS ANDREA

**ANDREA**



Operating Instructions  
Instrucciones de uso  
Bedienungsanleitung  
Notice d'utilisation  
Istruzioni d'uso

RiveDrill

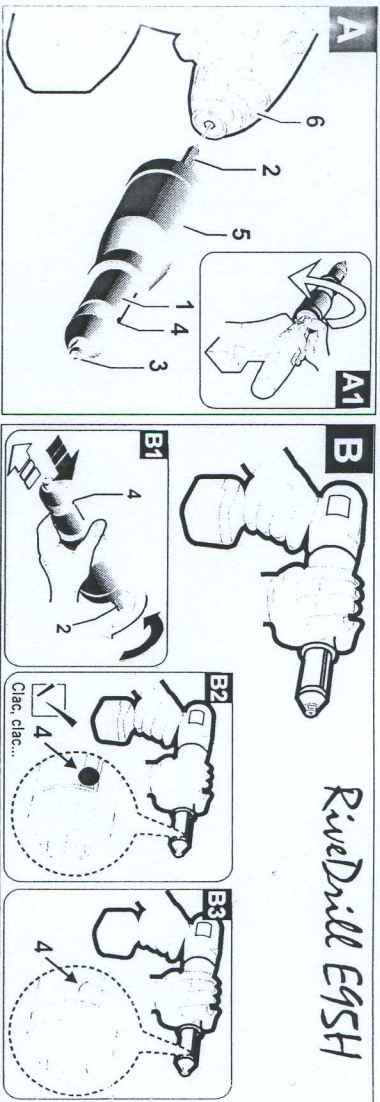
E95H



Blind Riveting Attachment  
Dispositivo para remachar  
Blindniet-Vorsatzgerät  
Adaptateur riveteuse pour rivets aveugles  
Adattatore per rivetti ciechi



# RiveDrill E95H



## FOR YOUR SAFETY

Working safely with this machine is possible only when the operating and safety information are read completely and the instructions contained there in are strictly followed.

Attention with the reaction of the hand that hold the RiveDrill. Release RiveDrill if the reaction is strong.

In order to ensure that the machine functions safely, only use the blind rivets listed in the specifications together with the correctly matching nosepiece (nozzle) and with size are showed in the figure C.

High forces can occur during the working procedure, use grooves in the hand that the RiveDrill is hold, and therefore hold RiveDrill tool firmly. Do not use bracelets or other objects that can be hooked.

Use only original ANDREA parts and accessories.

## TOOL SPECIFICATION

Stroke (run) (without riveting), 29 mm, (9/8")

Maximum stroke (run) allowed in load (riveting), 10 mm, (3/8")

Maximum torque of entrance allowed, 8 Nm (70 Lb.in)

Aprox weight 280 g.

Aprox length 141 mm

Diameter, 50 mm

Hex drive shank 8 mm (5/16")

Included nosepieces (nozzles), 3 units for blind rivets of:

3,0 mm 3,2mm 1/8"

4,0 mm; 5/32"

4,8 mm; 3/16"

Capacity to rivet:

The safety sizes for blind rivets must be observed in the graphic Figure C1, about diameter and material of blind rivets aluminum, steel or stainless steel.

## USE AS INTENDED

The device has been designed to be attached to a reversible drilling machine, reversible, cordless drill (12 vol. or more), to set blind rivets.

The rivets is fixed in a single action.

The mandrel of the rivet should be inserted completely in the RiveDrill.

Before insert the next rivet in the RiveDrill be sure to expel the mandrel before.

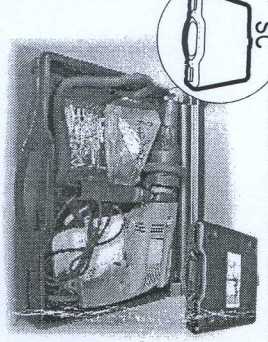
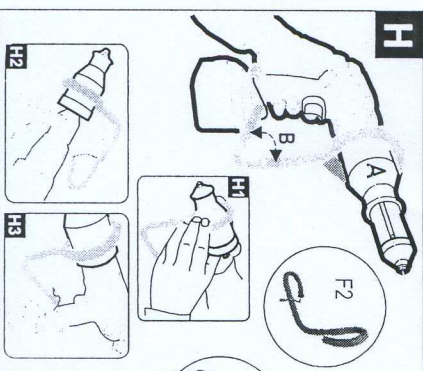
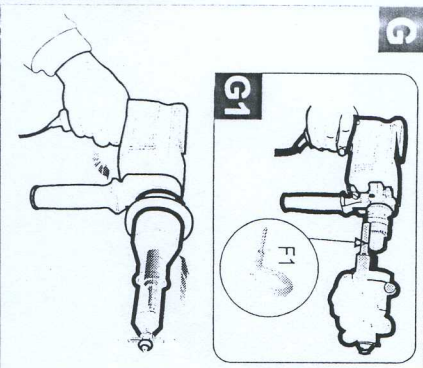
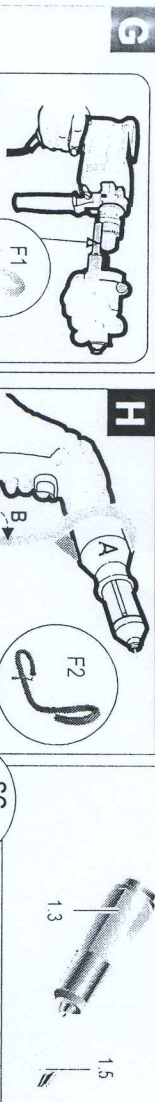
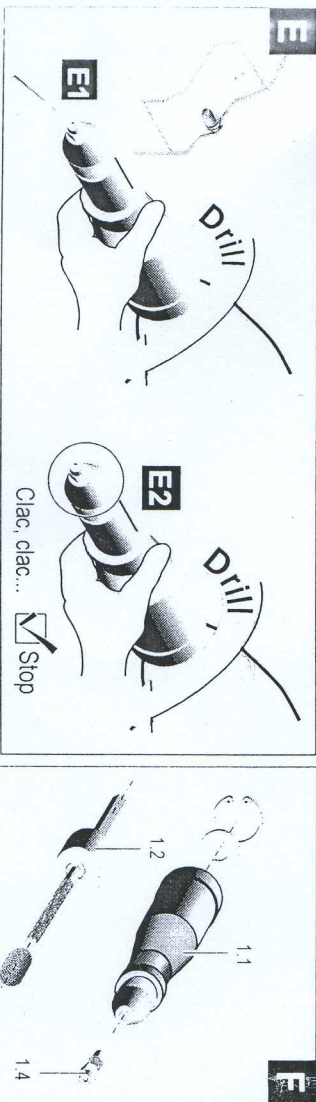
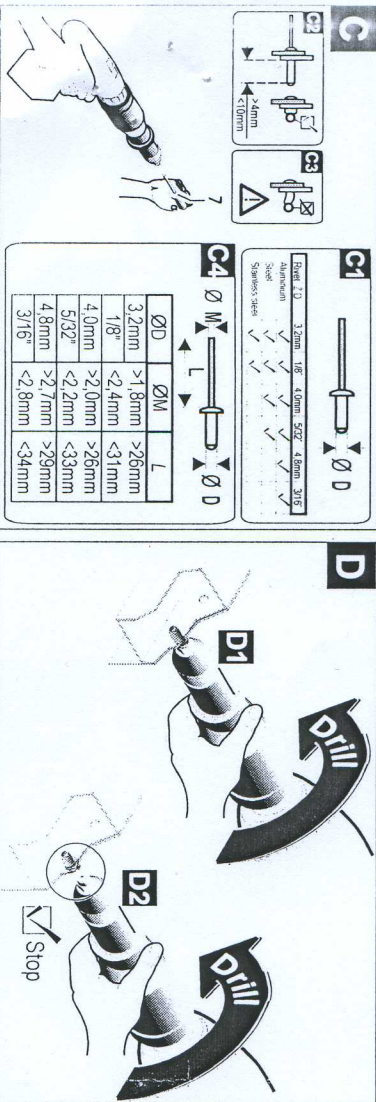
For damage caused by usage other than intended, the user is responsible.

## OPERATING CONTROLS.

Figure A. The accessories described in the book instructions, are not always included in the given unit.

1 RiveDrill.

2 Drive Shank



- 3 Nosepiece.
- 4 Hole Control.
- 5 Telescopic body
- 6 Drilling machine
- 7 (Figure C) Blind Rivet
- F1 (Figure G) Fixing to be used with electric drill.
- Optional
- F2 (Figure H) Fixing to be used with battery drill.
- Optional
- SC (Figure SC) Small case. Optional

## INITIAL OPERATION.

**Figure A. Mounting of RiveDrill.** Insert the drive shank 2 into the chuck of the drill and tight strongly. Figure A1. Cover the chuck of drill with the telescopic body of RiveDrill, 5

**Figure B. Working procedure.** RiveDrill is hold with the hand by the telescopic body 5 to not turn. Figure B. RiveDrill transform the rotatory movement, that is coming by the drive shank 2 Figure B1, from the drill, in a lineal movement that open or close the hole control 4, figure B1. When the drill turns to the right or to the left, the inside mechanism of RiveDrill advances toward, setting the rivet or backward expelling the mandrel respectively. Looking at the figure. B1 the black arrows are showing to open the hole 4, the white arrow is showing to close the hole 4. In the end and beginning, in both ways, after 29 mm, is listened the sound clack, clack.

**Try the movement without rivet.**

Turning to the right, figure B2. Looking at how the hole control 4 is closed and listen the clack, clack.

Turning to the left, figure B3. Looking at how the hole control 4 is opened and after 29 mm, is listened the clack, clack.

**Initial position to start to set a rivet.**

The hole control 4 must be closed, like in the figure. B2. If the hole 4 is open, like in the figure B3, close the hole 4 turning on to the left the drill until hearing clack, clack...

## USE

**Figure C. Insert the blind rivet.** Insert the blind rivet 7, figure C, completely into the RiveDrill, with the Drill stopped. Caution. Don't use blind rivets with different sizes and materials that are indicated in figure C1. Choose one of the nosepiece supplied (Standard delivery) to fit the diameter of the blind rivet to be applied. If the RiveDrill is used with a nosepiece inadequate it may cause that it works deficiently. Check the blind rivet that the measures of the mandrels of the blind rivet are between the minima and the maximum of the chart of measures of the figure C4.

Check the blind rivet that the hardness of the material of the blind rivets are inside of the capacity of the RiveDrill according to the square of capacity for materials of the figure C1.



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Rivedrill**

# RiveDrill (HP or E95H)

**easy step by step.**

## Español.

**Seguridad.** No usar pulseras ni objetos que pueden fiarse con las partes giratorias. RiveDrill se sujeta con la mano para remachar venciendo una reacción variable según la resistencia del remache. Está preparado para esta reacción y si le resulta excesiva suelte la RiveDrill.

1 - Girar a la izquierda, y sujetar con la mano.

Se cierra la ventana y suena clack, clack...

2 - Insertar el remache completamente.

3 - Girar a la derecha y sujetar fuerte con la mano hasta que remacha. No incline RiveDrill. Inclin RiveDrill mientras remacha puede producir rotura de las mordazas.

4 - Girar a la izquierda sujetando con la mano e inclinando RiveDrill hacia abajo hasta que expulsa el vástago roto del remache, se cierra la ventana y suena clack, clack... Para un nuevo remache volver al punto 2.

## English.

**Security.** Do not wear bracelets or objects that may get involved with moving parts. RiveDrill is held by hand to clinch winning a reaction varies with the resistance of the rivet. Be prepared for this reaction is excessive and if you drop the RiveDrill.

1 - Turn left, and holding his hand.

The window closes and it sounds clack, clack ...

2 - Insert the rivet completely.

3 - Turn right and hold strong hand until rivets. Do not tilt RiveDrill. Tilt RiveDrill while rivets can cause breakage of the jaws.

4 - Turn left holding her hand and bending down until RiveDrill eject the broken stem of the rivet, close the window and it sounds clack, clack ... For a new rivet back to Step 2.

## Français.

**Sécurité.** Ne pas porter des bracelets ou des objets qui mai s'impliquer avec des pièces mobiles. RiveDrill se tient à la main pour gagner un corps à corps de réaction varie avec la résistance du rivet. Soyez prêt pour cette réaction est excessive et, si vous laissez tomber le RiveDrill.

1 - Tourner à gauche, et lui tenir la main.

La fenêtre se ferme et il semble clac, clac ...

2 - Insérez le rivet complètement.

3 - Tourner à droite et tenir la main forte jusqu'en rivets. Ne basculez pas RiveDrill. Tilt RiveDrill tout rivets peut provoquer une rupture des mâchoires.

4 - Tournez à gauche en tenant sa main et la flexion vers le bas jusqu'à RiveDrill éjecter la tige cassée du rivet, fermez la fenêtre et il semble clac, clac ... Pour un rivet neuf Retour à l'étape 2.

## Deutsch.

**Sicherheit.** Tragen Sie keine Armbänder und Gegenstände, die mit beweglichen Teilen zu engagieren. RiveDrill wird von Hand zu gewinnen Clinch eine Reaktion variiert mit dem Widerstand des Niets. Für diese Reaktion vorbereitet sein, ist überzogen und dann, wenn der RiveDrill.

1 - Biegen Sie links ab und hielt seine Hand.

Das Fenster schließt sich und es klingt, klack, klack ...

2 - Legen Sie die Niete komplett.

3 - Biegen Sie rechts ab und halten starke Hand, bis Niete. Kippen Sie RiveDrill. Tilt RiveDrill während Niete Bruch der Kiefer führen kann.

4 - Biegen Sie links ab und hielt ihre Hand und bückte sich, bis RiveDrill Auswerfen der gebrochenen Stamm der Niete, das Fenster zu schließen und es klingt, klack, klack ... Für eine neue Niete zurück zu Schritt 2.

## Italiano.

**Sicurezza.** Non indossare braccialetti o oggetti che possono essere coinvolti con parti in movimento. RiveDrill è tenuto a mano per stringere vincere una reazione varia con la resistenza del perno. Essere pronti per questa reazione è eccessiva e se si rilascia il RiveDrill.

1 - Girare a sinistra, e si teneva la mano.

La finestra si chiude e sembra Clack, Clack ...

2 - Inserire il perno completamente.

3 - Girare a destra e tenere la mano forte fino rivetti. Non inclinare RiveDrill. Tilt RiveDrill mentre Rivetti può causare la rottura della mascella.

4 - Girare a sinistra tenendo la mano e chinandosi fino RiveDrill espellere il gambo rotto della Rivet, chiudere la finestra e suona Clack, Clack ... Per un rivetto nuovo indietro al passo 2.

## Portugees.

**Segurança.** Não usar pulseiras ou objetos que possam se envolver com partes móveis. RiveDrill é realizada pela mão para conquistar ganhar uma reação varia com a resistência do rebite. Esteja preparado para essa reação é excessivo e se você deixar cair o RiveDrill.

1 - Vire à esquerda, e segurando sua mão.

A janela fecha e soa clack, clack ...

2 - Insira o rebite completamente.

3 - Vire à direita - e segurar a mão forte até rebites. Não incline RiveDrill. Tilt RiveDrill enquanto rebites podem causar a ruptura da mandíbula.

4 - Vire à esquerda segurando a mão dela e abaixando até RiveDrill ejetar a haste quebrada do rebite, feche a janela e soa clack, clack ... Para um rebite de novo para a Etapa 2.

## Nederlander.

**Security.** Draag geen sieraden of voorwerpen die kunnen meedoen met bewegende delen. RiveDrill bezit is van de hand clinch winnen van een reactie varieert met de weerstand van de klinknagel. Bereid je voor deze reactie is overdreven en als je de drop RiveDrill.

1 - Sla linksaf, en hield zijn hand.

Het venster wordt gesloten en het klinkt clack, clack ...

2 - Plaats de nagel volledig.

3 - Draai naar rechts en een sterke hand totdat klinknagels.

Don't tilt RiveDrill. Tilt RiveDrill terwijl klinknagels breuk van de kaken kan veroorzaken.

4 - Sla linksaf hield haar hand en buig naar beneden tot RiveDrill uitwerpen de gebroken stengel van de klinknagel, sluit het venster en het klinkt clack, clack ... Voor een nieuwe klinknagel terug naar stap 2.

## Dansk.

**Sikkerhed.** Må ikke bære armbånd eller genstande, der kan blive involveret med bevægelige dele. RiveDrill holdes i hånden for at klinke vinde en reaktion, varierer med modstand nitte. Vær forberedt på denne reaktion er overdrevet, og hvis du taber RiveDrill.

1 - Drej til venstre, og holdt hans hånd.

Vinduet lukker, og det lyder klak, klak ...

2 - Indsæt nitte helt.

3 - Drej til højre og hold stærk hånd, før nitter. Må ikke hælde RiveDrill. Tilt RiveDrill mens nitter kan forårsage brud på kæberne.

4 - Drej til venstre og holdt hendes hånd og bøjede sig ned, indtil RiveDrill skubbe brudt stilk nitte, lukke vinduet, og det lyder klak, klak ... For en ny nitte tilbage til trin 2.

## Svenska.

**Säkerhet.** Bär inte armband och föremål som kan engagera sig med rörliga delar. RiveDrill hålls för hand för att clinch vinna en reaktion varierar med motstånd nit. Var beredd på denna reaktion är överdriven, och om du tappar RiveDrill.

1 - Sväng vänster, och hålla hans hand.

Fönstret stängs och det låter Clack, Clack ...

2 - Sätt nit helt.

3 - Sväng höger och håll stark hand tills nitar. Luta inte RiveDrill. Tilt RiveDrill medan nitar kan orsaka brott på käkar.

4 - Sväng vänster höll hennes hand och böjde sig ner tills RiveDrill mata ut trasiga stammen av nit, stäng fönstret och det låter Clack, Clack ... För en ny nit tillbaka till steg 2.

## Norsk.

**Sikkerhet.** Ikke ha armbånd eller gjenstander som kan bli involvert med bevegelige deler. RiveDrill holdes for hånd å vinne vinne en reaksjon varierer med motstanden til klinke. Vær forberedt for denne reaksjonen er overdreven, og hvis du slippe RiveDrill.

1 - Ta til venstre, og holder hånden.

Vinduet lukkes og det høres Clack, Clack ...

2 - Sett klinke helt.

3 - Ta til høyre og hold sterk hånd før nagler. Ikke vipp RiveDrill. Tilt RiveDrill mens nagler kan føre til brudd i kjeven.

4 - Ta til venstre holde henne i hånden og bøyer seg ned til RiveDrill kaste ut den ødelagte stammen i klinke, lukke vinduet, og det høres Clack, Clack ... For en ny klinke tilbake til trinn 2.

