evotec-swiss
Innovation, Consulting and Production

ENGLISH

USER MANUAL
FOR FASTDRILL

DESCRIPTION:

Spot welding machine intended to drill out spot welds on high and ultra high strength steels. The ergonomic lever placed on the back of the machine allows to control the rotaton and penetraition of the drill bit. It is possible to set with the setting screw the start up of the machine only if the drill bit is touching the surface. This avoid damages on the carbide drill bits.

To drill high strength steels carbide drill bits are recommended.

TECHNICAL DATA :

Pressure	6 BAR
Rpm	1000
Coupling	1/4
Drilling pressure	Min.200kg
Sound level	82.4 dB
Air consumption	175l / min
Vibration	0.233m/s2
Accessories	Big hook

REMOVING OF THE HOOK :

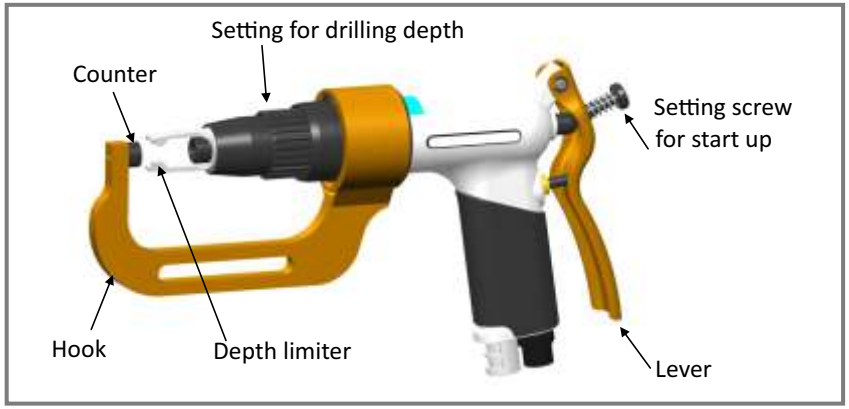
1- Align the Gap with the C-Clip

2- Hold the body of the drilling machine and pull o ffthe hook with slight left / right move-ments.

3- Once the hook is removed it can be placed in the same way.

START SETTING :

Hint: Before setting the start up function the drilling depth has to be set



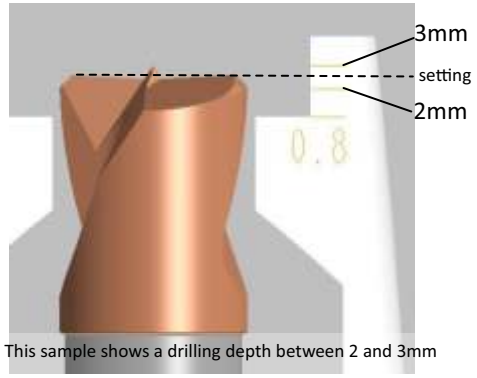
Settingof drill depth :

WARNING !

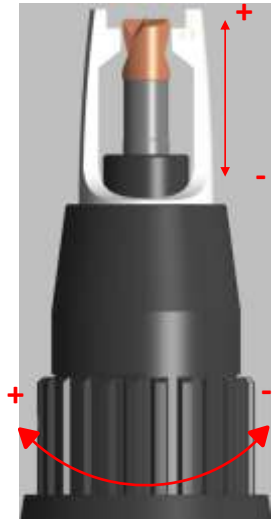
-Indicated measurements are intended for drill bits with 44mm length
-The drilling depth can be set between 0 and 3.5mm

The drilling depth is adjusted by the drilling depth setting ring. Turning counter clockwise results in increasing and clockwise to decrease the drilling depth.
To set the drilling depth the blades of the drill bit should be in one line with the engraved indications.
The indicated drill depths are: 0.8mm, 2mm, 3mm.

Hint: Standard thickness of sheet metals is 0.8mm



This sample shows a drilling depth between 2 and 3mm



1- Turn the rear setting screw clockwise till the end

2- Place the machine on the welding spot

3- Press slightly the lever till the drill bit touch the surface

4- Keep the lever pressed and turn the setting screw counter clockwise

WARNING!
The drill bit must touch always the surface.

5- As soon the drill bit starts to spin the machine is set.

6- By pressing the lever the machine will start up and drill out the spot weld.

WARNING!

This process has to be repeated if the thickness of the steel layer is changing.