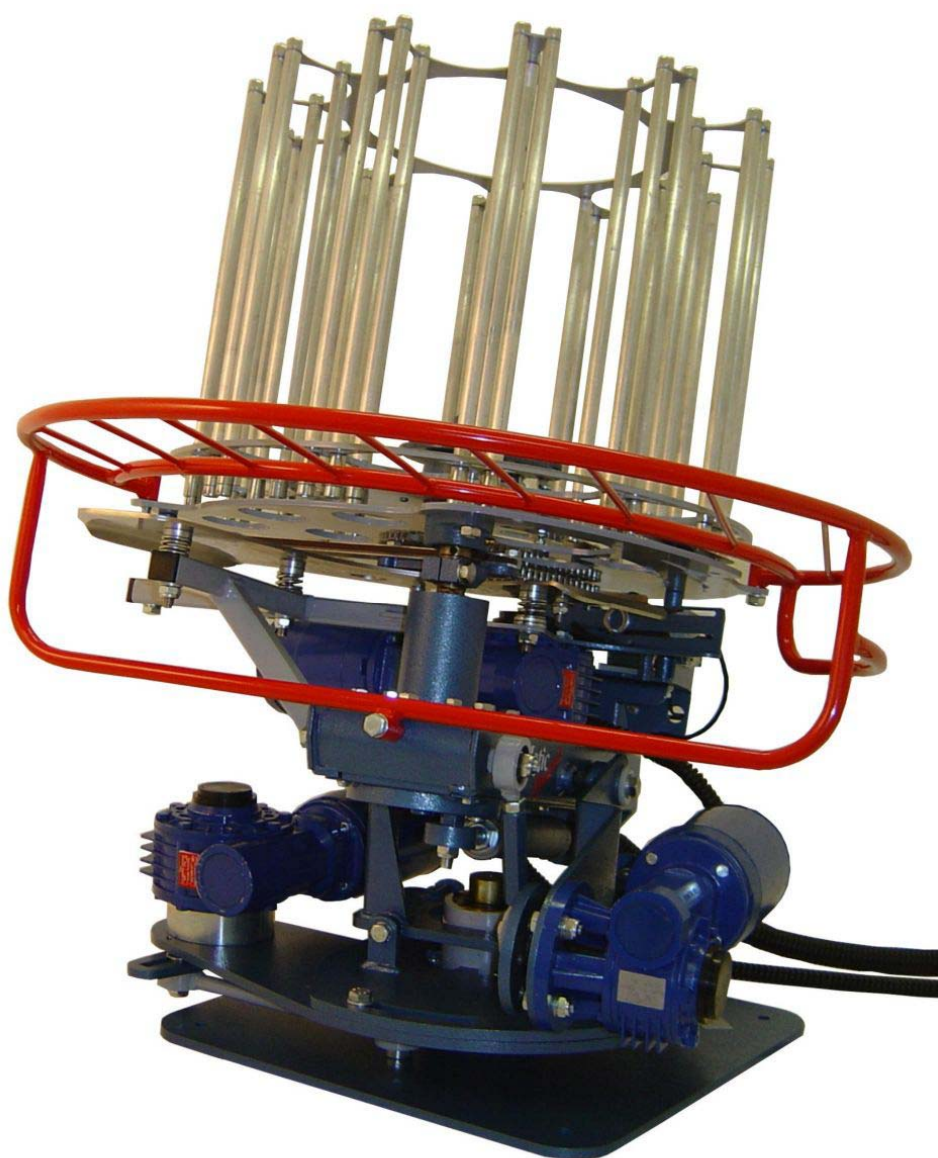


Due//Matic A/S

Operating Instructions Compact 12 Wobble Trap



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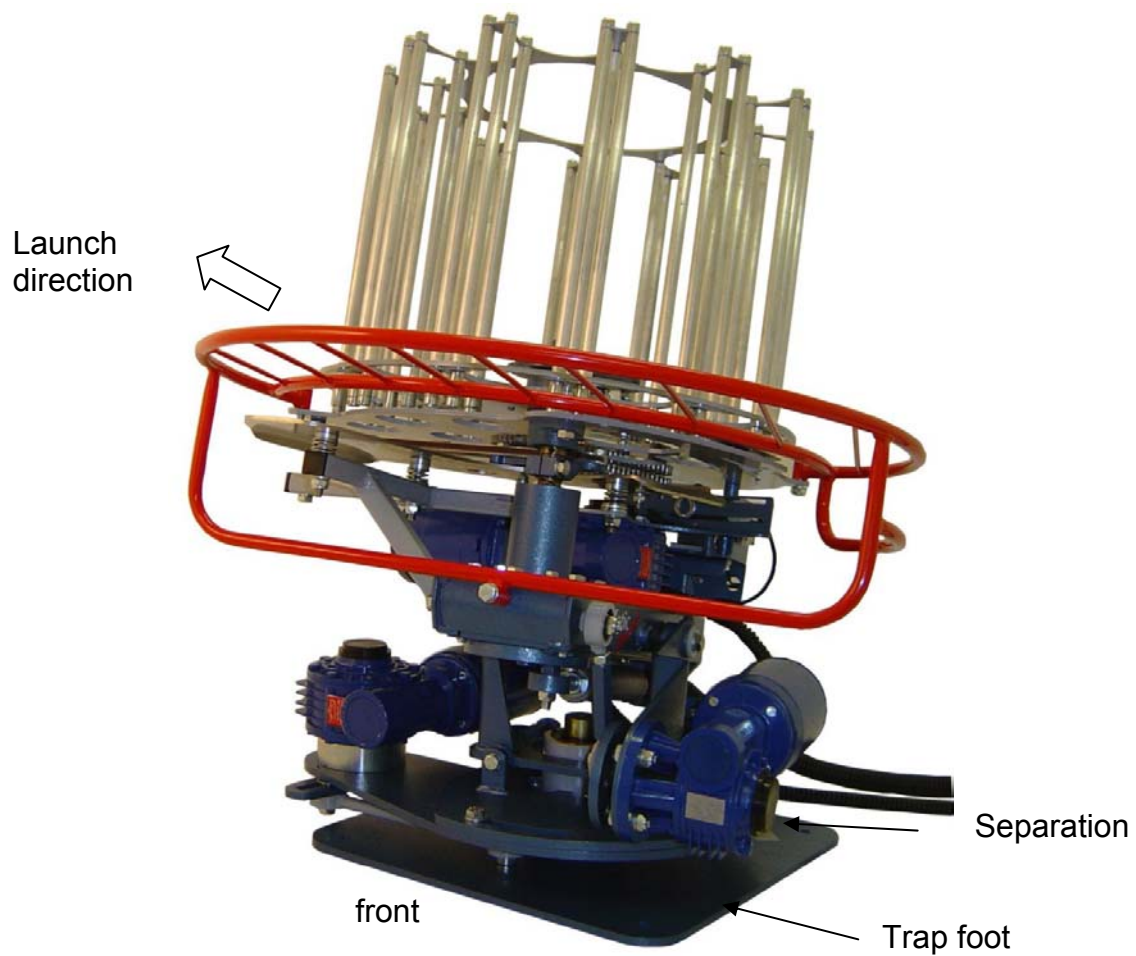
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Electrical diagrams

Assembling the trap

1. Separate the trap into 2 parts
2. Place the foot on the base plate facing the direction in which the targets are to be launched



3. Secure the foot with the angle braces
4. Mount the trap on the foot

Electronic box

Conection for
machine

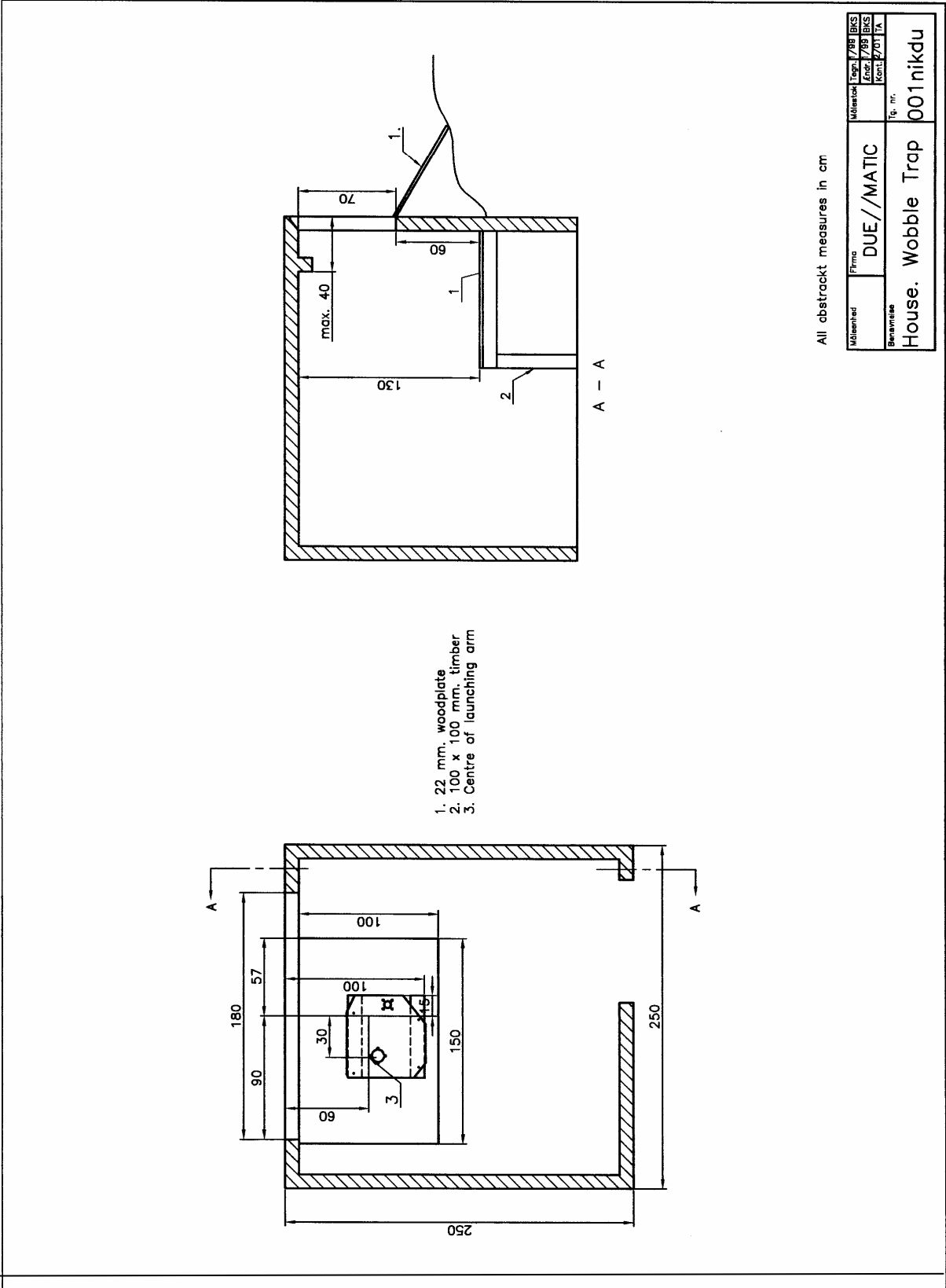


Conection for
horizontalmotor
on trapfoot

Operation of all switches:

1. Connect the red and blue plug to electronic box.
2. The electronic box has following switches.
 - A. **START-RELEASE** is a push button switch. By pressing the “START-RELEASE” button when “COCKING” function is set in the “0” position, the trap operates only for the time the “START-RELEASE” button is depressed. If the “COCKING” switch is set at “AUT” the trap’s springs tighten in loaded function. The trap is now loaded, and the targets can be launched with the “START-RELEASE” button. The same function can be operated by actuating the pressure switch.
 - B. The **COCKING** switch has two settings “0” & “AUT”
When set at “0”, the trap operates for the time the “START-RELEASE” button is depressed.
When set at “AUT”, the trap’s springs tighten when the “START-RELEASE” switch is depressed. The same function can be operated by actuating the pressure switch.
 - C. **HORIZONTAL** is a rotary switch with 3 settings. When set at “0”, the horizontal function of the trap is turned off. This function is only used when the trap is to be used to launch targets in a specific horizontal direction. When set at “AUT” the trap moves in a pre-programmed pattern-after launching one target the trap is automatically set a new horizontal position and stops. When set at “CON”, the trap moves continually through the horizontal range.
 - D. **VERTICAL**, is a rotary switch with 3 settings. When set at “0”, the trap does not alter its height. This function is only used when the trap is to launch targets at a specific height. When set at “AUT”, the trap moves in a pre-programmed pattern-after launching one target the trap is automatically set a new vertical position and stops. When set at “CON”, the trap moves continually through the vertical range.

House drawing



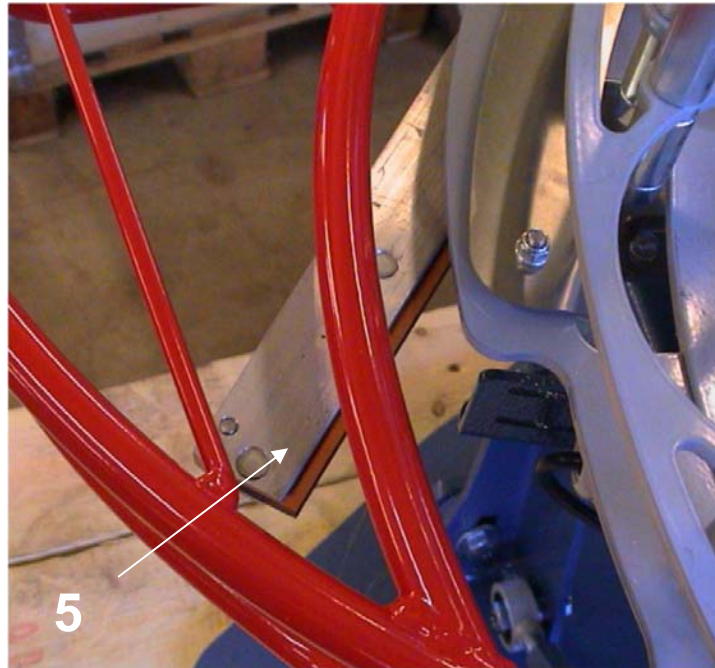
Starting the trap

1. Check that the direction of launch is clear
2. Turn the "COCKING" switch to the "AUT" position
3. Turn the "HORIZONTAL" switch to the "AUT" position
4. Turn the "VERTICAL" switch to the "AUT" position
5. Connect the pressure switch
6. When the "START-RELEASE" button is depressed, the throwing arm will be placed in cocking position
7. Depressing pressure switch a target will be released and the machine moves in horizontal and vertical direction.



Unloading and switch off the trap

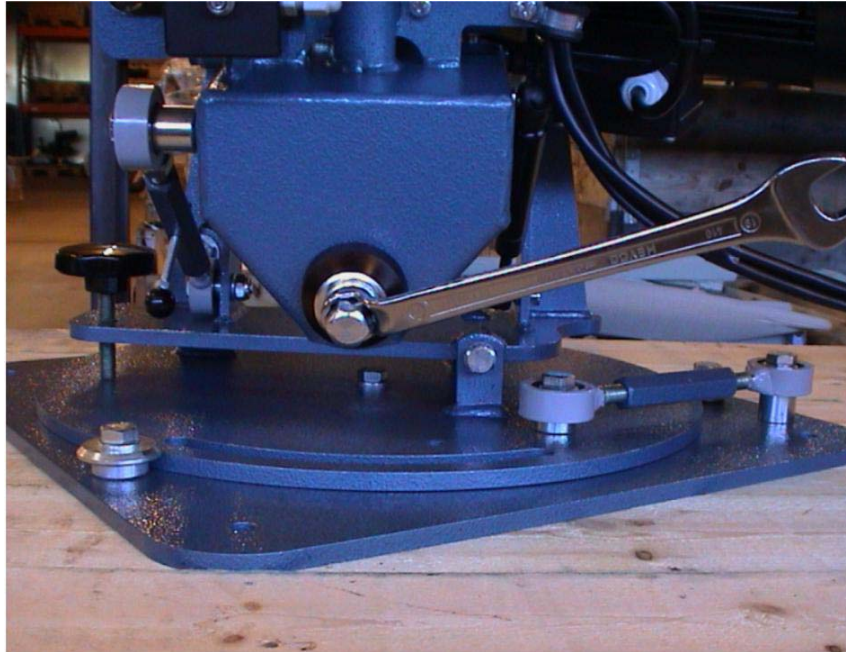
1. Turn the “COCKING” switch to the “0” position
2. Turn the “HORIZONTAL” switch to the “0” position
3. Turn the “VERTICAL” switch to the “0” position
4. Depress the “START-RELEASE” button and launch a target
5. The launching arm will be set in the “original position”



Adjusting the length of launch

NOTICE: BY ALL ADJUSTMENT UNLOAD THE MACHINE

Adjust the length of the launch with 19 mm spanner



1. Turn right to increase the length of launch to max.
2. Turn left to decrease the length of launch to min.

Vertical adjustment

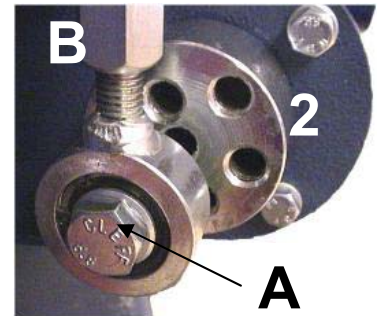
NOTICE: BY ALL ADJUSTMENT UNLOAD THE MACHINE

On the vertical motor there are 7 different vertical settings

The holes are marked from 0 to 6. The smallest number gives the least deflection.

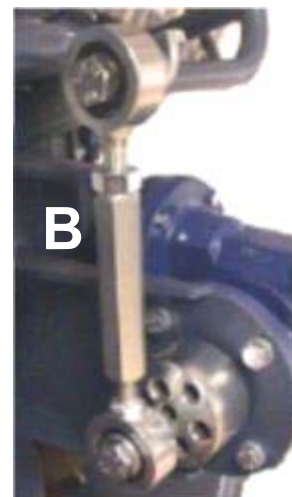
Changing the vertical angel:

1. Loosen bolt "A" with 19 mm spanner
2. Move the connection bar "B" to ex. hole "2"
3. Remember to tighten bolt "A" after adjustment



Changing the gliding height:

4. Adjust the the connection bar "B"
5. By shortening the connection bar, the gliding height of targets changes to a lower level, and revers



Horizontal adjustment

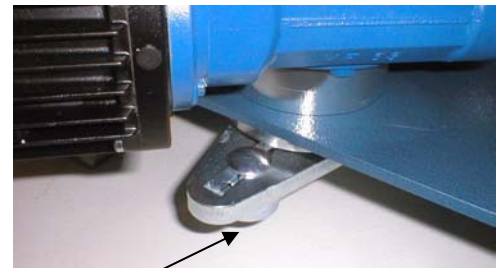
NOTICE: BY ALL ADJUSTMENT UNLOAD THE MACHINE

Connect the trap to the source of power. Turn the trap to the extreme left position.

1. Turn the "HORIZONTAL" switch, to "CON" setting
When the trap is at the far left , turn the switch to "0"



2. Loosen bolt "A" with 19 mm spanner, and adjust the angle by moving the connection bar in the groove of adjusting arm.

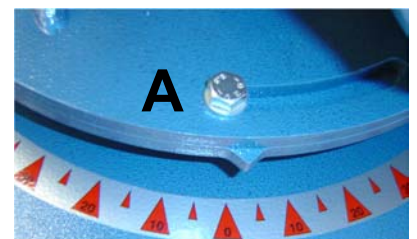


A



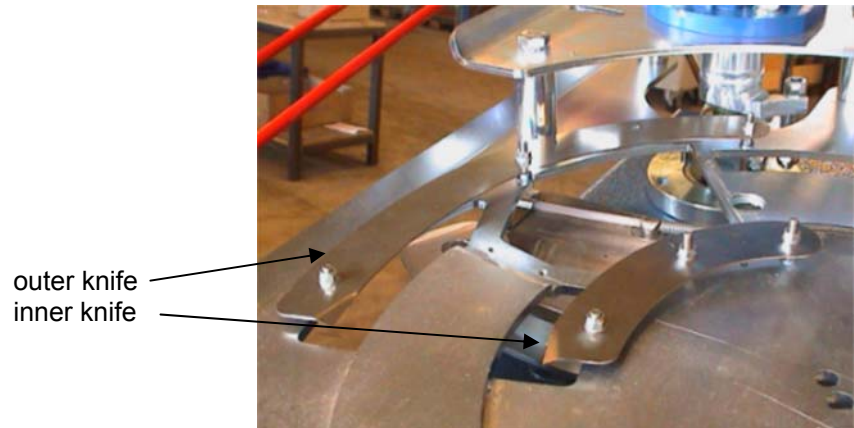
From the bottom

3. When position of bolt "A" is in center, "0" is on the scale of degree
4. Remember to tighten bolt "A" after adjustment



Adjusting target separator knives.

NOTICE: BY ALL ADJUSTMENT UNLOAD THE MACHINE



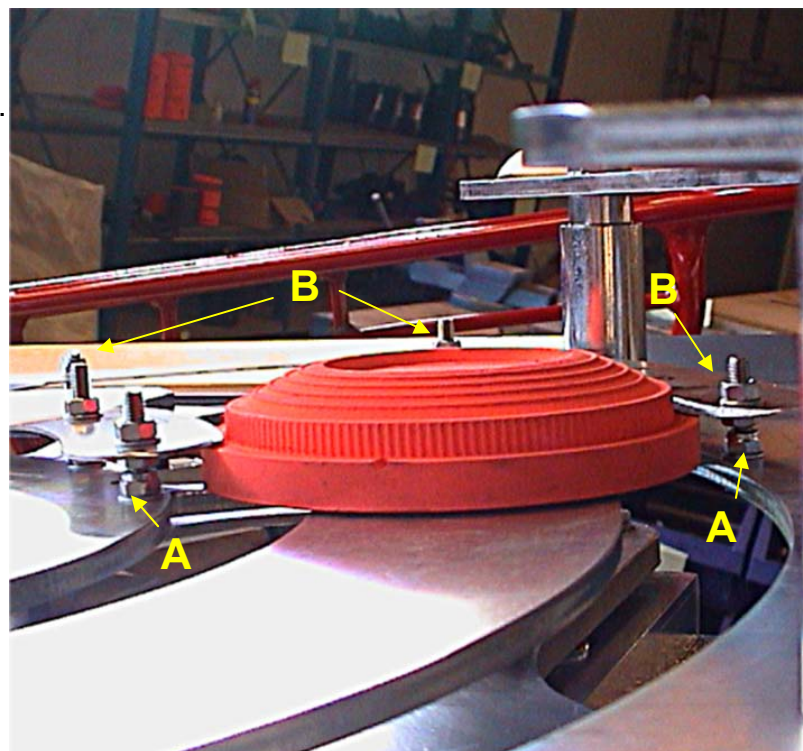
outer knife
inner knife

Seperator knives

Adjust knives up/down bolt "A" .
Use 8 mm spanner.
Distance between knives and
target:
Just a little slice (0,2 mm)

In the outer knife, loosen bolt
"B" (3 pcs) with 8 mm spanner
adjust the knife so the targets
can pass.
Distance about 1 mm

Remember to tighten the bolts
"B" after adjustment.

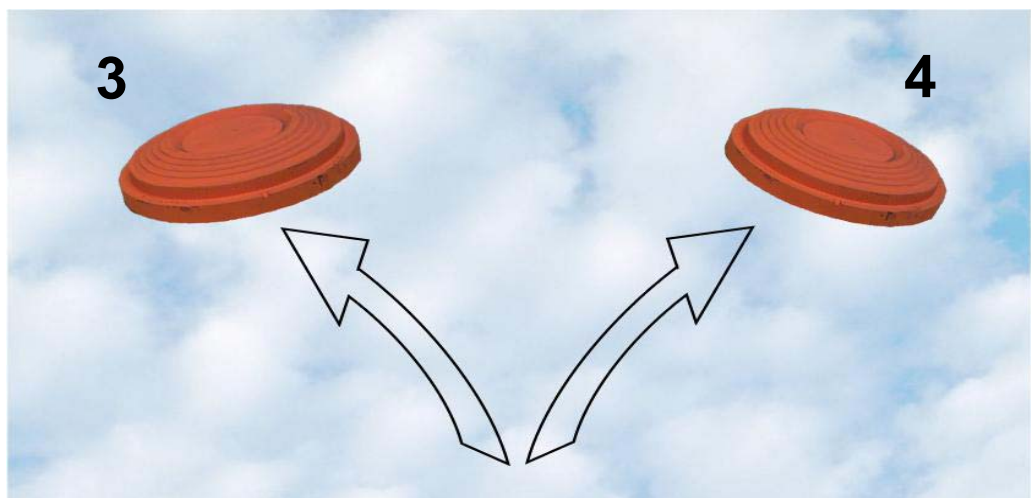
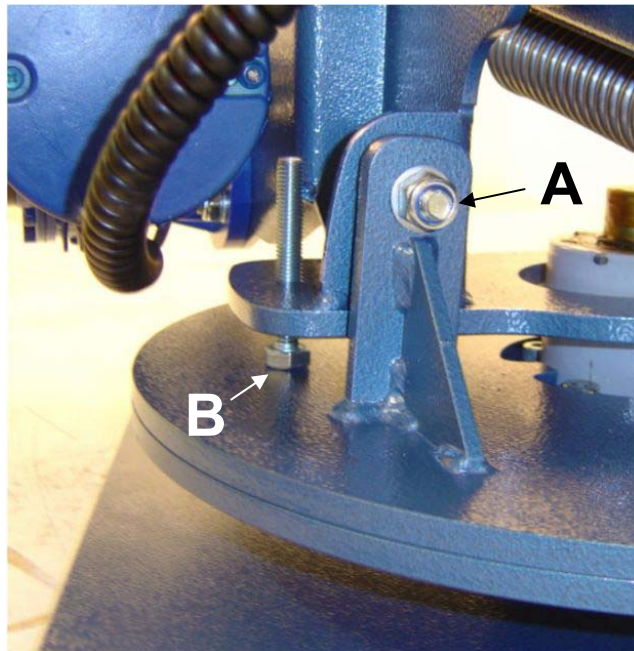


Capsize adjustment (if the target capsizes in the air)

NOTICE: BY ALL ADJUSTMENT UNLOAD THE MACHINE

1. Loosen the bolt "A" with 9 mm spanner
2. Adjust the bolt "B" with 19 mm spanner, to the right or to the left
3. If the target capsizes left, turn the bolt anti-clockwise until the target lies straight in the air
4. If the target capsizes right, turn the bolt clockwise

Remember to tighten bolt "A" after adjustment



Adjusting the micro-switch

NOTICE: BY ALL ADJUSTMENT UNLOAD THE MACHINE

When loaded, the placement of the launching arm is determined by a micro-switch. If the latter is set incorrectly, the launch may be delayed and the trap may launch several targets after one another, even if the pressure switch is only pressed once

1. The launching arm too far to right,
adjust the micro-switch to left
2. The launching arm too far to left,
adjust the micro-switch to right

