



Correct starting position



Wrong starting position



HEADD0
Operating instruction for the
operatore



HEADD0
Micro&Ultra

EN : HEADDO-NOZZLE operating & maintenance

Congratulations for your purchase of this high performance nozzle. To give you entire satisfaction, we recommend you to read thoroughly these instructions.

1. Before starting work with the HEADDO M1 check the following points:

- 1.1 The rotor (C) must move freely in the nozzle.
- 1.2 Ensure that front cover (A) and the inlet cover (F) are securely tightened into the body (D).

2. During work

- 2.1 Bring the HEADDO M1 progressively up to operating pressure in a **downward pointing position to ensure a proper seal is created between the rotor tip and the seat**. After the HEADDO M1 is running in the downward position it can be raised to other positions.
- 2.2 Generally, the distance between the HEADDO M1 and the work area is greater than with a standard rotating nozzle. Begin with a distance around 20 to 30 cm. Find the ideal work distance by moving the jet closer or further from the surface.
- 2.3 During work with the HEADDO M1 following phenomena may occur:
 - a) Variation of rotor speed
 - b) Water cone is not uniform
 - c) Vibration in lance

Immediately stop work if any of the above phenomena occur. Examine the rotor, seat and the HEADDO M1 for any wear or damage and change if necessary.

3. Disassembly and assembly of the rotor (C) and the seat (B) (Must be replaced in pairs)

- 3.1 Before taking apart, clean the HEADDO M1 with water.
- 3.2 Unscrew the body (D) together with the front cover (A) from the inlet cover (F) by hand, holding the lance downward.
- 3.3 Take off the rotor and the seat with our special mounting tool. (Art.No.10269).
Important, a new rotor has to be replaced in pairs with the supplied new seat!
- 3.4 Grease the O-Ring-seal of the new seat and put it back in place using the special mounting tool. Insure that the seat is properly fitted.

4. Re-assembly of the complete nozzle

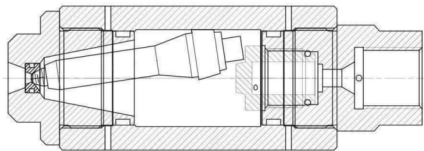
- 4.1 Clean and check the thread and the O-Ring if there are any damages. Grease the thread of the inlet cover and the O-Ring with grease for stainless steel.
- 4.2 Place the rotor (C) back into the unit body (D)/front cover (A) and point the lance downward.
- 4.3 Screw the body/front cover assembly by hand onto the inlet cover. **Important! Make sure that the rotor (C) does not get caught between the seat (B) and the driving tube (E).**
- 4.4 Gently tighten with a wrench. Do not tighten too strong!

5. Precautions during interruption of work

















- 5.1 Protect the HEADDO M1 during the interruption of work.
- 5.2 Do not leave the lance on the wet floor.
- 5.3 Never leave the lance against a wet surface.

6. Precautions at the end and before restarting work

- 6.1 At the end of work clean the nozzle thoroughly inside and out and dry well. Grease and store it in a dry place.
- 6.2 Before restarting work, check the HEADDO M1 for damage, especially the inside of the nozzle body.



All rules regarding safety and injury prevention for high and ultra high pressure water jetting equipment which are applied on site must be strictly observed.

			
2.1 Bring the HEADDO M1 up to working pressure, pointing it downward .	2.1-2.2 Progressive pressurizing, the rotor begins to turn.	2.3 Example of a good jet.	3.1 Before taking apart, clean the HEADDO M1 with water.
			
3.2 Unscrew the body of the HEADDO M1 by hand, holding the lance downward.	3.3 Take off the body of the HEADDO M1, holding it in a vertical position in order to not drop the rotor on the floor.	3.3 Take off the seat with the special mounting tool. Rotor & seat must always be replaced in pairs!	3.4 Put the rotating seat into the tooling
			
3.4 Put the body on the tool in order that the top of the mounting tool comes out.	3.4 Center the tool and push the seat into the body, do not pound in.	3.4 Check visually that the seat is on the bottom.	4.1 If the thread of the cover is dirty, clean it with a soft brush.
			
4.1 Examine the condition of the thread and O-ring seal. Before Re-assembling grease the thread & O-Ring.	4.2 Place the rotor into the body and screw it on the lance in holding it in position downward.	4.3 Always tighten by hand. Important! Make sure that the rotor is not jammed!	4.4 Gently tighten 140 Nm with a wrench. Do not tighten too strong!

For a more detailed explanation of HEADDO M1 ask for our "Operating instruction for the workshop"