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## Maintenance Instruction, AMAL-SHAFT®

### Exchange of tubes

The tubes are tested, verified and specially developed for AMAL-SHAFT®. It is however impossible to avoid wear which, in time, arise and results in a punctured tube. For minimal wear the usage instructions for AMAL-SHAFT® should be observed and applied, see [www.hofpartner.se](http://www.hofpartner.se).

1. Wipe off and clean the shaft and use a clean working area. Finish one groove at a time.
2. Start by removing end clamps and slats. The two clamps are in most cases the same type. Notice the slats individual positions for a correct reassembly.
3. Remove the defect tube. Control and attend any sharp edges on the slats and the clamps.
4. Slide the new tube into place and make sure the air inlet nipple is in its hole. Position and tighten the valve side clamp.
5. Slide the slats back into the groove and stretch the tube so the punched hole fits over the screw hole. Note that the tube always is a few mm shorter than the expander groove since the tubes should lie stretched in the groove. Position and tighten the other end clamp.

- ! **Do not over tighten the clamp screws.** Suitable torque is 10 - 12 Nm at 20 mm tube width. Slenderer tubes require less torque. An over tightened screw might damage the tube and the shaft body.
- ! All plastic materials stretch under stress. So inspect and if required tighten the clamp screws again after a few days in usage.

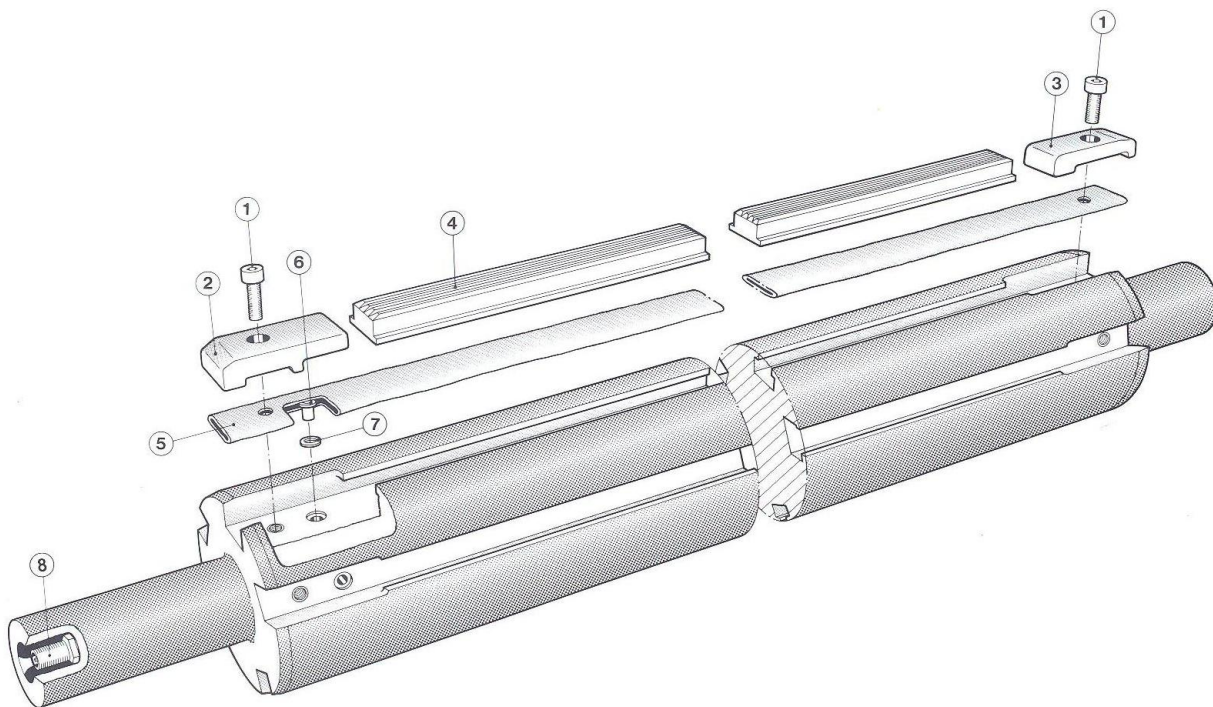


## Exchange of slats

The slats are tested, verified and specially developed for AMAL-SHAFT®. For minimal wear the usage instructions for AMAL-SHAFT® should be observed and applied, see [www.hofpartner.se](http://www.hofpartner.se).

1. Wipe off and clean the shaft and its grooves.
2. Remove the non-valve side clamp and pull out the old slats. Note the individual positions of old slats for a correct reassembly.
3. Slide the new slats into the groove. For each groove the slats are trimmed for a total gap of maximum 0,5 – 1,0 mm between the slats and the clamps. If the shaft is equipped with non-active plastic slats, these shall be placed in the groove ends to avoid wear between slats and clamps.
4. Assemble the clamps.

**!** **Do not over tighten the clamp screws.** Suitable torque is 10 - 12 Nm at 20 mm tube width. Slenderer tubes require less torque. An over tightened screw might damage the tube and the shaft body.



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|-------------------------|---------------|
| 1. Clamp screw          | 5. Tube       |
| 2. Clamp valve side     | 6. Air nipple |
| 3. Clamp non-valve side | 7. Sealing    |
| 4. Slat                 | 8. Air valve  |