1 Regarding this manual

These instructions explain the mounting of the sealing plate. It is valid as supplementary page to the standard operating manual of the gearhead that is used. Contradictory specifications in the standard operating manual thereby become obsolete.

The operator must ensure that these instructions are read through by all persons assigned to install, operate, or maintain the gearhead, and that they fully comprehend them.

Store these instructions within reach of the gearhead.

These **safety instructions** should be shared with colleagues working in the vicinity of the device to ensure individual safety.

The original instructions were prepared in German; all other language versions are translations of these instructions.

The signal words, safety symbols, and information symbols are explained in the standard operating manual.

2 Safety

These instructions, especially the safety instructions and the rules and regulations valid for the operating site, must be observed by all persons working with the gearhead.

In addition to the safety specifications mentioned in this operating manual, the general and also the local regulations on the prevention of accidents (for instance, personal safety equipment) and on environmental protection should be observed.

3 Assembly

- Carry out the preparations according to the standard operating manual.

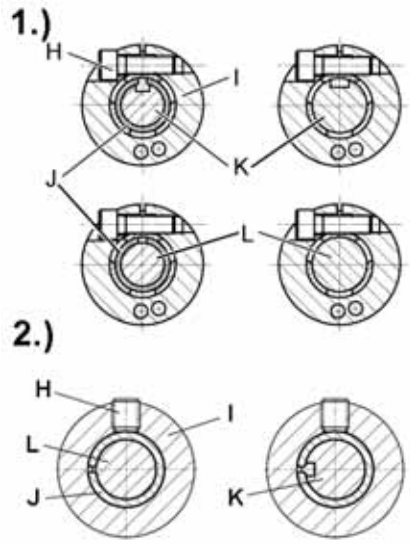
3.1 Mounting the motor onto the gearhead

	● Observe the general information and safety instructions of the motor manufacturer. ● Observe the safety and processing instructions of the cleaning agents, activators, and adhesives to be used.

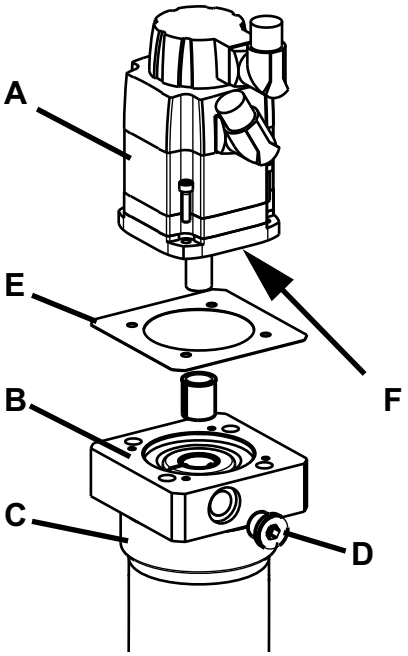
ⓘ Ensure that the motor is mounted if possible in a vertical direction.

Depending on the model of the gearhead, the motor mounting is done

- with clamping hub or otherwise coupling and clamping bolt
- or with plug receptacle and threaded pin.

		Designation
	H	1.) Clamping bolt 2.) Threaded pin
	I	1.) Clamping ring (part of the clamping hub / coupling) 2.) Plug receptacle
	J	Bushing
	K	Keyed shaft
	L	Smooth shaft

Tbl-1: Arrangement of motor shaft, clamping hub, and bushing



Depending on the model of the gearhead, in the adapter plate there is

- either a plug (D)
- or a stopper plug (D)

- If the motor shaft has a shaft key, remove the shaft key.
  - ⓘ If recommended by the motor manufacturer, apply a half wedge.
- Remove the plug / stopper plug (D) from the mounting bore in the adapter plate (B).
- Clean the motor shaft, the bore hole of the clamping hub / coupling / plug receptacle, the bushing, the sealing plate (E) and the fitting surfaces of motor and gearhead with Aceton or Loctite 7063 and a clean and lint-free cloth.
- Turn the clamping hub / coupling / plug receptacle (I) until the clamping bolt / threaded pin (H) can be reached by the mounting bore.
- Loosen the clamping hub / threaded pin (H) of the clamping hub / coupling / plug receptacle (I) by one revolution.
- Coat the entire seal surface of the adapter plate (B) with a flange sealant (e.g. Loctite 573 or 574).
- Align the sealing plate to the square of the adapter plate (B).
- Coat the entire fitting surface (F) on the motor with a flange sealant (e.g. Loctite 573 or 574).
- Push the motor shaft into the clamping hub / coupling / plug receptacle of the gearhead.
  - ⓘ The motor shaft should slip in easily. If this is not the case, the clamping bolt / threaded pin needs to be loosened more.
  - ⓘ A slotted bushing has to be installed extra for certain motor shaft diameters and applications.
  - ⓘ The slots of the bushing (if provided) and clamping hub / coupling / plug receptacle have to be flush with the groove (if provided) of the motor shaft, see table "Tbl-1".
  - ⓘ No gap is permitted between the motor (A) and the adapter plate (B).
- Fasten the motor (A) to the adapter plate (B) according to the standard operating manual.
- Carry out the further tasks according to the standard operating manual.

4 Appendix

4.1 Supplementary information

- For further information, please visit our website at http://www.wittenstein-alpha.de. Or contact our Customer Service department service-alpha@wittenstein.de

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