



Mounting instruction for planetary gearbox GBX...K with adaption kit GBK and Lexium motors

FB 7.5-07.03.0052-gb

Page 1 of 1
Rev. A

Unexpected dangers

Installation, commissioning and maintenance must be carried out by qualified technicians only.

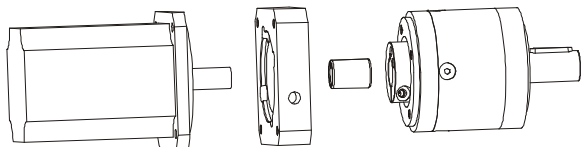
Information

Further information can be found in the user manuals:

Gearbox manual at www.neugart.de.

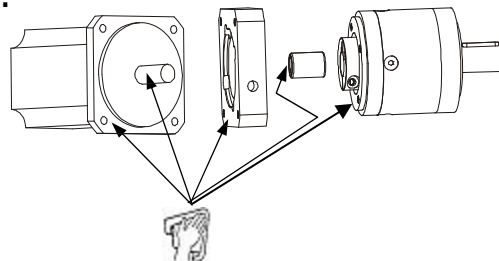
Note the pertinent information in the motor manual: www.schneider-electric.com.

1.



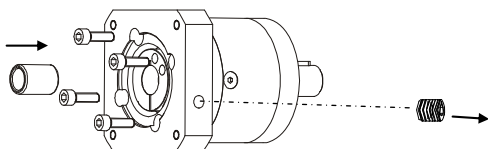
Correct motor, correct gearbox, correct adaption kit GBK?
Refer to product association table in Lexium catalog of Schneider Electric.

2.



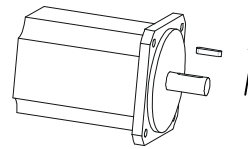
For correct transmission of torque, clean the surfaces before assembly.
Flange, shaft, bushing and gearbox surface must be free from lubricants.
Do not use damaged products.

3.



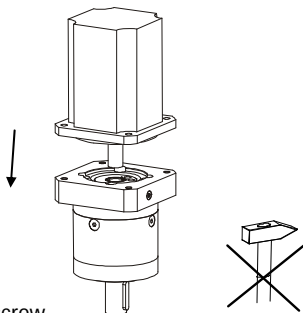
Assemble the adapter plate with gearbox.
If diameter $d_{\text{motor}} < d_{\text{hollow shaft}}$: Use bushing.
Use screws with property class 8.8. Screws must be secured.
Tighten screws with $T_{A,S}$. Tighten screws crosswise.
Remove cover screw, adjust position of clamping screw.

4.



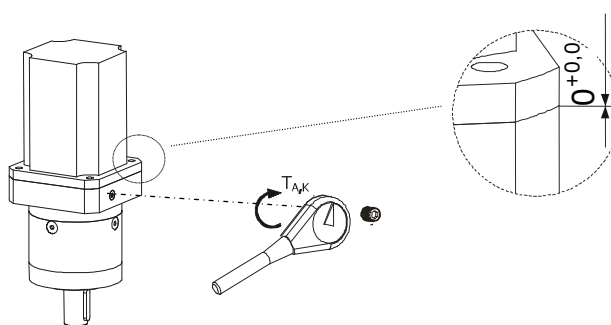
If the motor has a parallel key, remove it.

5.



Open clamping screw.
Preferred motor mounting position: Vertical. Fit motor into gearbox.

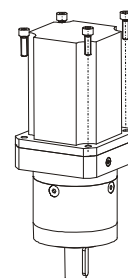
6.



Motor flange and gearbox flange must have full contact.
Tighten clamping ring with $T_{A,K}$; tighten cover screw.

7.

Use screws with property class 8.8, screws must be secured.
Tightening torque ($T_{A,S}$) of the screw: use 90% of screws yield stress.
Tighten screws with $T_{A,S}$, screws tighten crosswise.



Gearbox	GBX040...K PLE 40		GBX060...K PLE 60		GBX080...K PLE 40		GBX120...K PLE 120	
Wrench size SW [mm]	2.5	4	4	5	5	6	6	8
$T_{A,S}$ [Nm] [lb in]	1.1 9.74	4.5 39.83	4.5 39.83	8.5 75.23	8.5 75.23	20 177	20 177	40 354

Gearbox	GBX040...K PLE 40		GBX060...K PLE 60		GBX080...K PLE 80		GBX120...K PLE 120	
Wrench size SW [mm]	2.5	3	3	4	4	5	5	6
$T_{A,K}$ [Nm] [lb in]	2 17.7	4.5 39.83	4.5 39.83	9.5 84.08	9.5 84.08	16.5 146.03	16.5 146.03	40 354