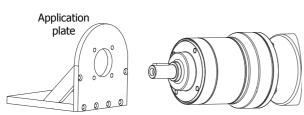


Installation instructions HLAE gearbox mounting

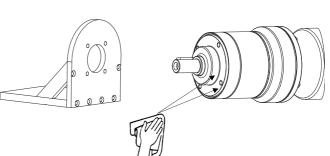
DSS-Nr	100225369
DSS-REV	002
TSS-Nr	
Datum:	10.12.2015
Seite:	2/2

1.



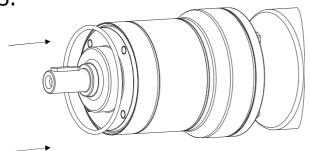
Check that it is geometrically possible to install the gearbox on the application.

2.



Thoroughly clean / degrease the flange face and centring on the gearbox and on the application plate (no aggressive detergents)

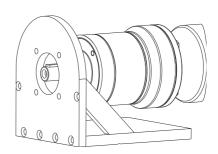
3.



Clamp the enclosed O-ring into the groove intended for this purpose between gearbox and application plate.

Note: pull the O-ring onto the casing. Once the gearbox rests against the application plate (see item 12 and 13), carefully slide the O-ring into the groove.

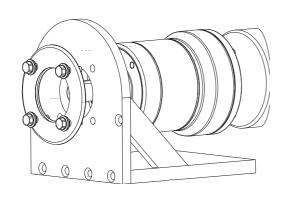
4.



Carefully introduce the gearbox parallel to the axis into the application centring

Caution: the O-ring may not be crushed or pushed out of position in doing so.

5.



Fix the gearbox on your application with the enclosed sealing screws and using the sealing kit.

Before doing so, the O-rings enclosed with the sealing kit must be inserted.

Note: Insert the O-ring in mounting plate and application in the groove intended for this purpose and if necessary, fix for installation with a suitable adhesive agent.

Caution:

- The O-ring may not be crushed or pushed out of position in doing
- Observe the tightening torque (T_{A,S}) intended for this purpose and use a suitable screw locking device.

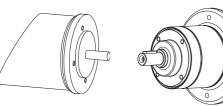
Gearbox:	T _{A,S} EHEDG screw	AF	Thread
HLAE070	3.7 Nm	8 mm	M5
HLAE090	6.4 Nm	10 mm	M6
HLAE110	15.8 Nm	13 mm	M8



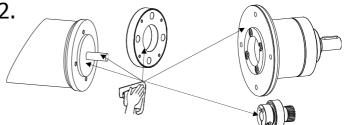
Anbauanleitung HLAE Motoranbau B14

DSS-Nr	100244940
DSS-REV	001
TSS-Nr	100281752
Datum:	02.12.2015
Seite:	3 / 4



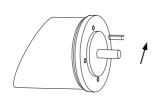


DIN 42955-N Correct motor? correct gearbox? 2.



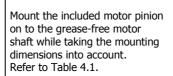
Clean grease free, rectify any damage.

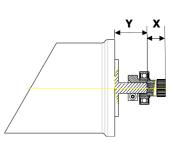
3.



If the motor has a feather key, remove it.

4.

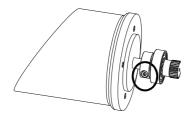




Gearbox mounting dimensions	Clamping system [D26]	Motor shaft [D20]	Motor dimensions [L20]/[D21]/[D22]/ B14/ [G3]	X ± 0.1 mm	Y (theoretical motor shaft length)	X+Y (Info)
	C - 11	F 11	/26/40/58/B14/M5	23.2 mm	26 mm	49.2 mm
HLAE 070	C = 11 D = 14	5 – 11 6.35 - 14	/26/60/71/B14/M6	23.2 mm	26 mm	49.2 mm
	D = 14 6.35 - 14	0.55 - 14	/30/60/71/B14/M6	23.2 mm	30 mm	53.2 mm
			/40/60/71/B14/M6	28 mm	40 mm	68 mm
HLAE 090	E = 19	8 - 19	/40/80/100/B14/M6	28 mm	40 mm	68 mm
		/40/85/100/B14/M8	28 mm	40 mm	68 mm	
HLAE 110		11 - 24	/40/80/100/B14/M6	42 mm	40 mm	82 mm
HLAE 110 F = 24	F = 24	F = 24 11 - 24	/40/85/100/B14/M8	42 mm	40 mm	82 mm

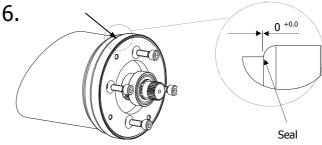
Table 4.1





Fix the clamping screw with the specified tightening torque.

Gearbox: Tak	SW
Geardox: I _{A,K}	300
HLAE 070 4.5 Nm	3 mm
HLAE 090 9.5 Nm	4 mm
HLAE 110 16.5 Nm	5 mm

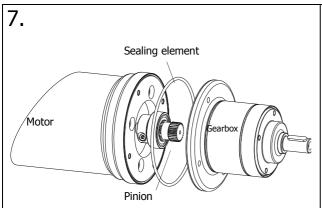


Mount the adapter plate onto the motor. Property class 8.8 screws must be secured. Tightening torque ($T_{A,S}$) of the screw is 90% of screw yield strength. Tighten screws crosswise with $T_{\text{A, S}}.$ Seal the area between the motor and adapter with the appropriate sealant (supplied by the customer).

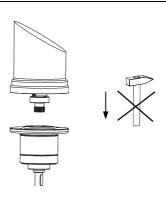


Anbauanleitung HLAE Motoranbau B14

DSS-Nr	100244940
DSS-REV	001
TSS-Nr	100281752
Datum:	02.12.2015
Seite:	4 / 4



8.



Guide the motor pinion at a vertical angle (so it is axially parallel) and use slight rotating movements to secure the pinion into the middle of the planetary gears.

Insert the enclosed sealing element into the groove between the motor flange and gearbox.

Caution: If handled improperly, the teeth may become damaged. Ensure correct positioning of the O-ring during mounting.

9.



The motor flange must be tightly fitted onto the gearbox. Screws with a strength class of A4-70 must be secured. Tightening torque ($T_{A,S}$) of the screw is 90% of screw yield strength. Tighten screws crosswise with $T_{A,S}$.

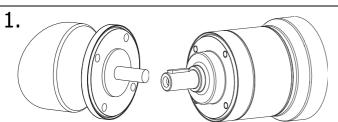
Gearbox:	T _{A,S} EHEDG Screws	SW	Thread
HLAE070	3.7 Nm	8 mm	M5
HLAE090	6.4 Nm	10 mm	M6
HI AF110	15.8 Nm	13 mm	M8

Instruction manual: www.neugart.com

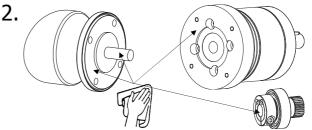


Installation instructions HLAE motor mounting B5

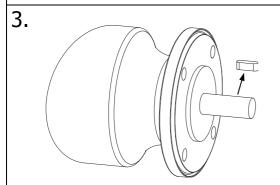
DSS-Nr	100225365
DSS-REV	004
TSS-Nr	100281749
Datum:	10.12.2015
Seite:	2/2



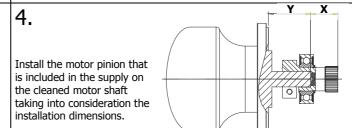
DIN 42955-N correct motor?, correct gearbox?



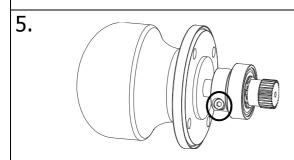
clean in a greaseless manner, remove any damages.



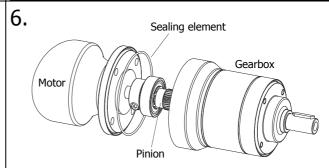
on motors with feather key, the latter must be removed.



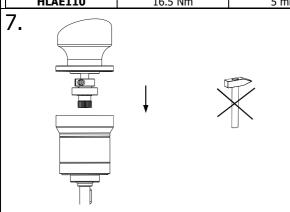
		I r	
Installation dimensions:	X ± 0.1 mm	(theoretical motor shaft length)	
HLAE070	19.85 mm	e.g. 30 mm	
HLAE090	28.45 mm	e.g. 30 mm	
HLAE110	35.10 mm	e.a. 40 mm	



Fix the clamping screw with the specified tightening				
torque.				
Gearbox: T _{A.K} AF				
HLAE070 4.5 Nm 3 mm				
HLAE090 9.5 Nm 4 mm				
UI AE 110 10 F Nov F nove				

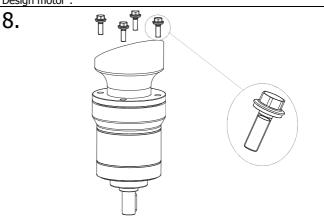


Place the sealing element enclosed by the motor manufacturer into the groove between motor flange and gearbox provided on the "Hygienic Design motor".



Introduce the motor pinion parallel to the axis in vertical position carefully into the gearing by means of slight turning movements. Place the motor onto the gearbox while exerting slight pressure.

Caution: Improper handling can damage the gearing.



Motor flange must rest on the gearbox flange. Use screws of strength category A4-70, screws must be locked; tightening torque $(T_{A,S})$ of the screw: use 90% of the screw yield strength, tighten screws crosswise with TA,S.