



SEW
EURODRIVE

Revision



Catalog **DRN.. Gearmotors (IE3)**

1 Revision

INFORMATION



This revision serves to correct the following contents in the "DRN.. Gearmotors (IE3)" catalog (part number 21933189) and in the "DRN.. Gearmotors (IE3)" price catalog (part number 22301828):

- Changed dimension drawing and dimensions for the assembly of gear units with hollow shaft and key (chapter 6.4.1),
- changed dimension sheets for helical-bevel gear units in design KF49.. and KAF49.. (chapter 10.5, dimension sheet 330260114) and in design KA.. (chapter 10.5, dimension sheet 330270114).

1.1 Revisions chapter 6.4.1.1: Supplied fastening parts

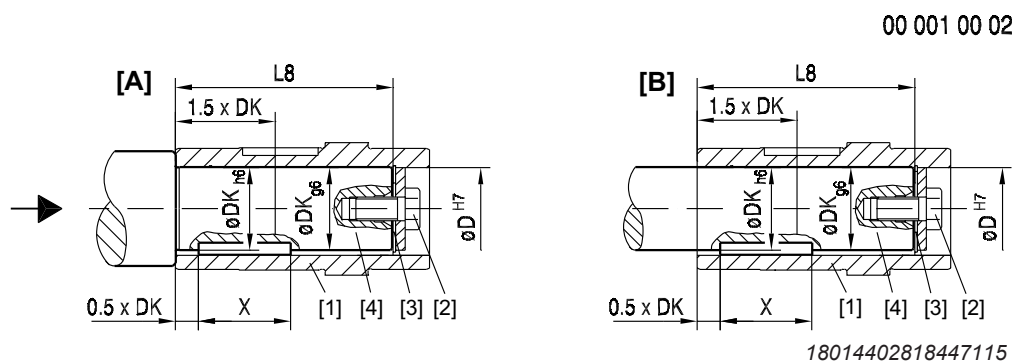
The following fastening parts are provided as standard:

- Retaining screw with washer [2]
- Retaining ring [3]

Note the following information concerning the customer shaft:

- The installation length of the customer shaft with contact shoulder [A] must be L8 - 1 mm.
- The installation length of the customer shaft without contact shoulder [B] must equal L8.

The following figure shows the customer shaft with contact shoulder [A] and without contact shoulder [B].



DK Diameter of customer shaft

X Key dimension

[1] Hollow shaft

[2] Retaining screw with washer

[3] Retaining ring

[4] Customer shaft

Dimensions and tightening torque:

Tightening torques MS for the retaining screw [2]:

Gear unit type	D ^{H7} mm	DK mm	L8 mm	MS Nm
WA..10	16		69	8
WA..20	18		84	
WA..20	20		92	
KA..19				20
FA..27	25		89	
KA..29			107	
KA..29	30		107	20

Gear unit type	D ^{H7} mm	DK mm	L8 mm	MS Nm
WA..30, WA..37	20		105	8
SA..37			104	
FA..37, KA..37, SA..47	30		105	20
KA..39			137	
KA..39	35		160	
KA..49			154	
KA..49	40		105	
SA..47, WA..37	25		132	
FA..47, KA..47, SA..57	35		122	
WA..47	30		132	40
SA..57			142	
FA..57, KA..57	40		156	
FA..67, KA..67			144	
SA..67	45		183	
SA..67	50		180	80
FA..77, KA..77, SA..77	60		210	
SA..77			220	
FA..87, KA..87			270	
SA..87	70		260	
FA..97, KA..97	70		313	200
SA..97			255	
FA..107, KA..107	90		313	
SA..107			373	
FA..127, KA..127	100		460	
FA..157, KA..157	120			

1.2 Revisions chapter 6.4.1.2: Installation/removal kit

You can use the optional installation/removal kit for installation. This can be ordered for the specific gear unit types by quoting the part numbers in the following table. The delivery includes:

- Spacer tube for installation without contact shoulder [5]
- Retaining screw for installation [2]
- Forcing washer for removal [7]
- Locked nut for removal [8]

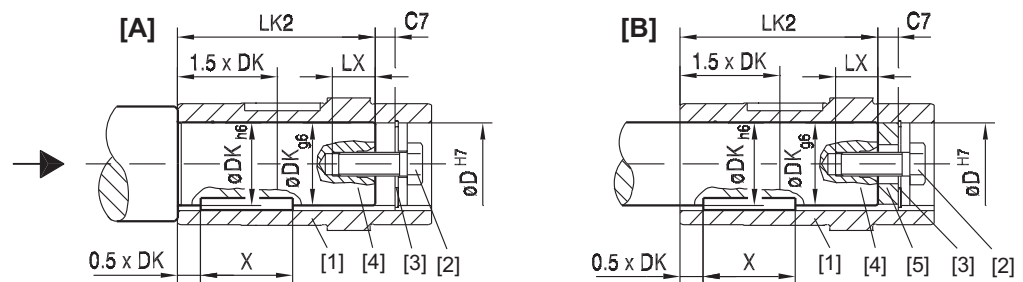
The short retaining screw delivered as standard is not required.

Note the following information concerning the customer shaft:

- The installation length of the customer shaft must be LK2. **Do not use the spacer tube** if the customer shaft **has a contact shoulder [A]**.
- The installation length of the customer shaft must be LK2. Use the spacer tube if the customer shaft **has no contact shoulder [B]**.

The following figure shows the customer shaft with contact shoulder [A] and without contact shoulder [B].

00 002 00 02



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DK Diameter of customer shaft
X Key dimension
[1] Hollow shaft
[2] Retaining screw with washer

[3] Retaining ring
[4] Customer shaft
[5] Spacer tube

Dimensions, tightening torques MS for retaining screw [2], and part numbers:

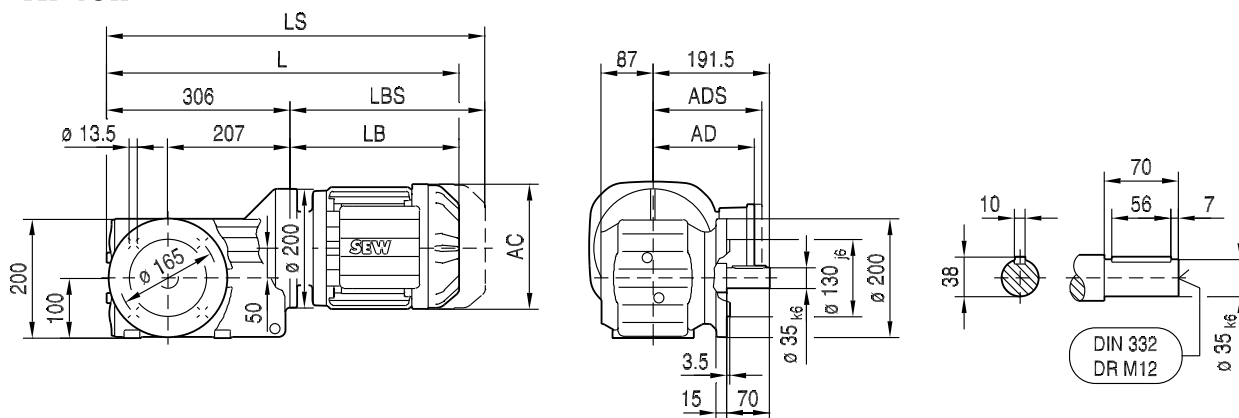
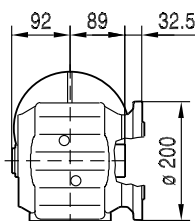
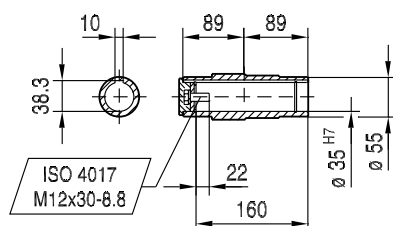
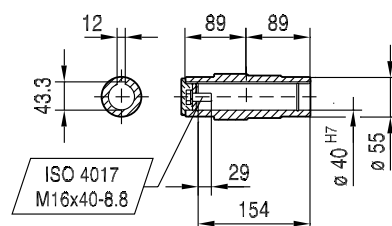
Type	D ^{H7} mm	DK mm	LK2 mm	LX ⁺² mm	C7 mm	MS Nm	Part number of the installation/ removal kit		
WA..10	16		58	12.5	11	8	6437125		
WA..20	18		72	16	12		643682X		
WA..20	20	72	6436838						
WA..30, WA..37		93							
SA..37		92							
KA..19		80							
KA..29		25	91			20	6436846		
FA..27	73								
SA..47, WA..37	89								
WA..47	30		106	16	6436854				
FA..37, KA..37		89							
SA..47		89							
SA..57		116							
KA..29		91							
KA..39			121			22	16		
KA..39	35	119	28	18	40	6436870			
FA..47, KA..47, SA..57		114							
KA..49		142							
KA..49		40	136				36	22	80
FA..57, KA..57	124								
FA..67	138								
KA..67			126						
SA..67									
SA..67	45					6436889			
FA..77, KA..77, SA..77	50	165				6436897			
FA..87, KA..87	60	188	42	22	80	6436919			
SA..77		158							
SA..87		198							
FA..97, KA..97	70	248							
SA..87		198							
SA..97		238							
FA..107, KA..107	80	287	42	26	80	10682112			

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Type	D ^{H7} mm	DK mm	LK2 mm	LX ⁺² mm	C7 mm	MS Nm	Part number of the installation/ removal kit
FA..107, KA..107	90		287	50	26	200	6436927
SA..97			229				
FA..127, KA..127	100		347				6436935
FA..157, KA..157	120		434				6436943

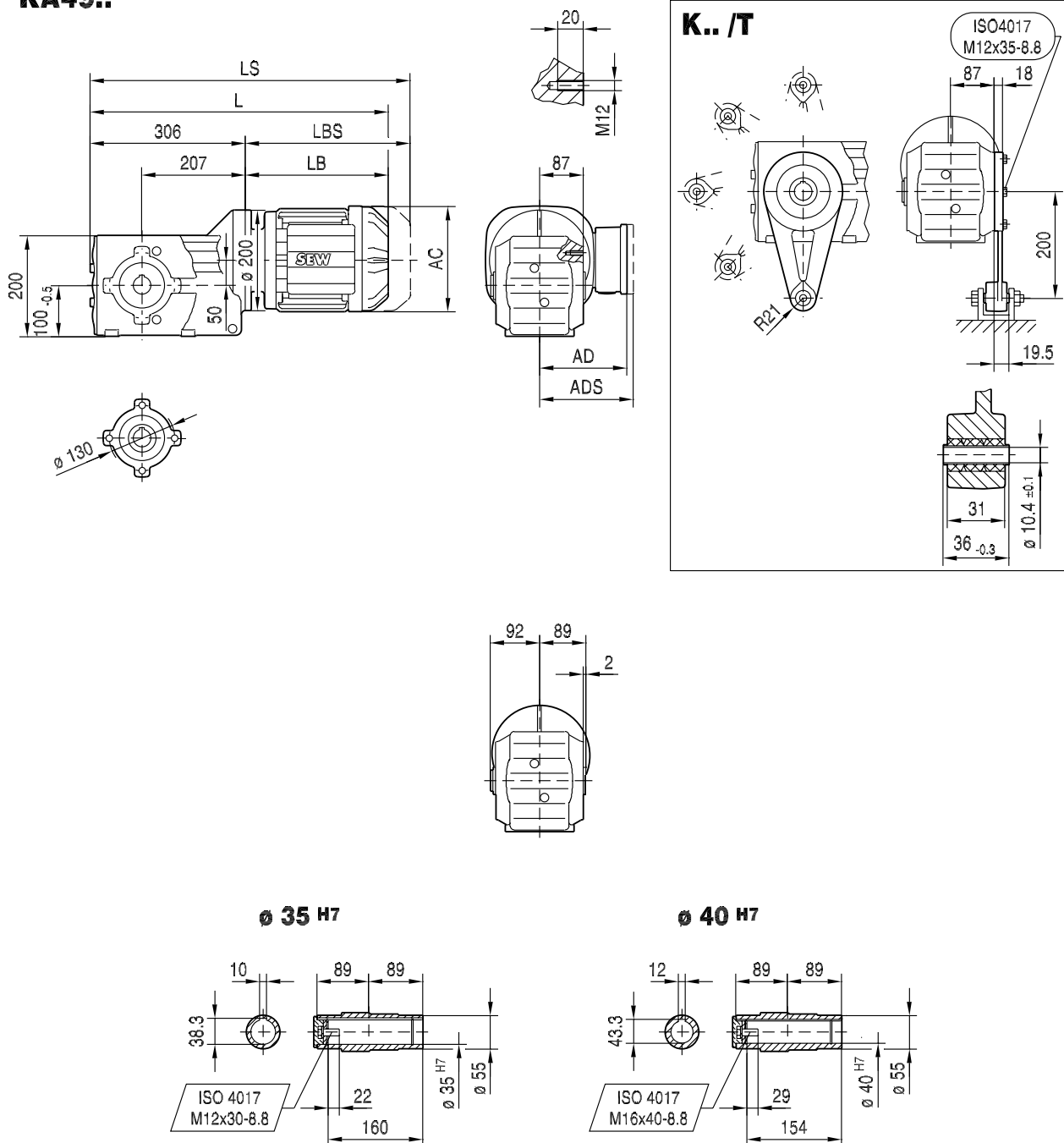
1.3 Revisions chapter 10.5: Dimension sheet 330260114 (KF49.., KAF49..)

33 026 01 14

KF49..**KAF49..** **$\varnothing 35_{H7}$**  **$\varnothing 40_{H7}$** 

	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M
AC	132	139	139	156	179	179	197	197	221	221	261
AD	105	119	119	128	140	140	157	157	170	170	228
ADS	105	129	129	139	150	150	158	158	172	172	228
L	484	495	520	574	576	608	604	654	685	735	753
LS	539	563	588	655	669	701	698	748	797	847	891
LB	178	189	214	268	270	302	298	348	379	429	447
LBS	233	257	282	349	363	395	392	442	491	541	585

1.4 Revisions chapter 10.5: Dimension sheet 330270114 (KA49..)

KA49..**33 027 01 14**

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	DR63..	DR71S	DR71M	DRN80M	DRN90S	DRN90L	DRN100LS	DRN100L	DRN112M	DRN132S	DRN132M
AC	132	139	139	156	179	179	197	197	221	221	261
AD	105	119	119	128	140	140	157	157	170	170	228
ADS	105	129	129	139	150	150	158	158	172	172	228
L	484	495	520	574	576	608	604	654	685	735	753
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