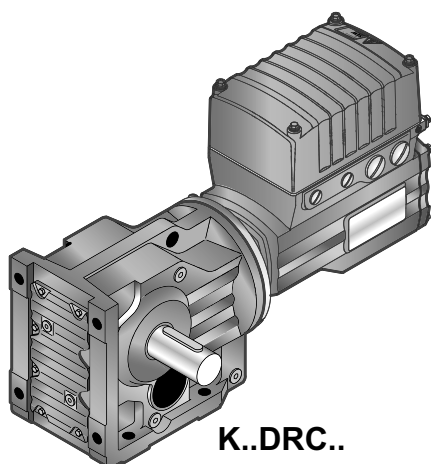
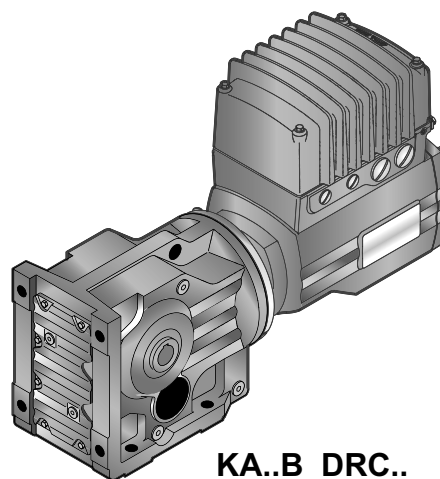


13 Helical-Bevel Gearmotors

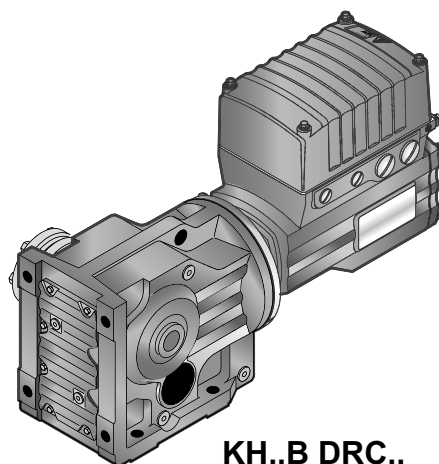
13.1 Variants



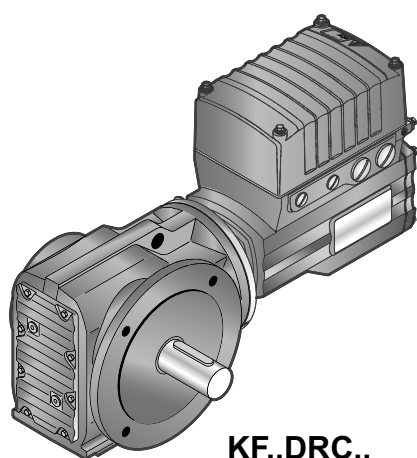
K..DRC..



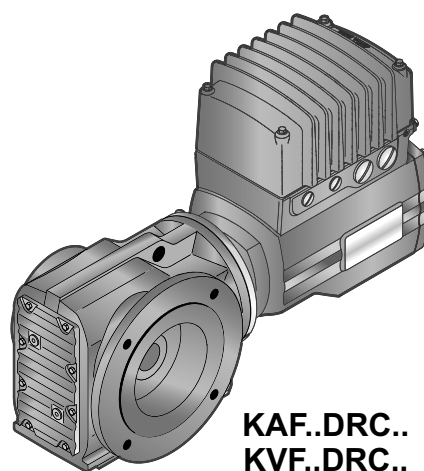
**KA..B DRC..
KV..B DRC..**



KH..B DRC..



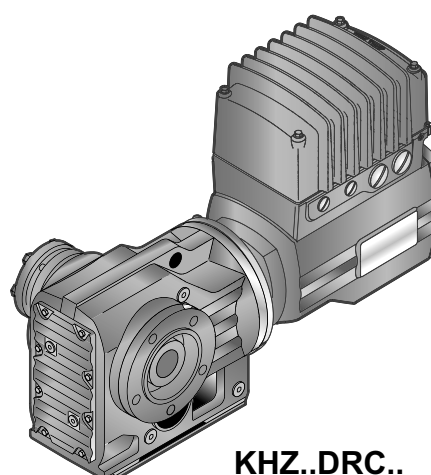
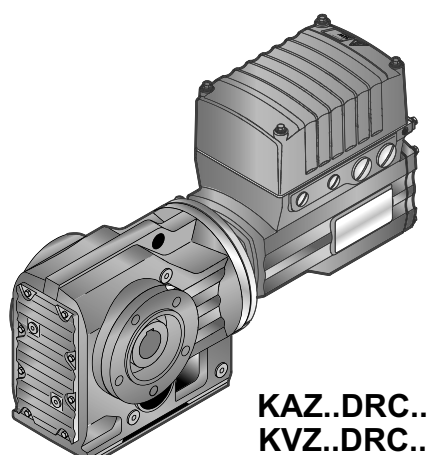
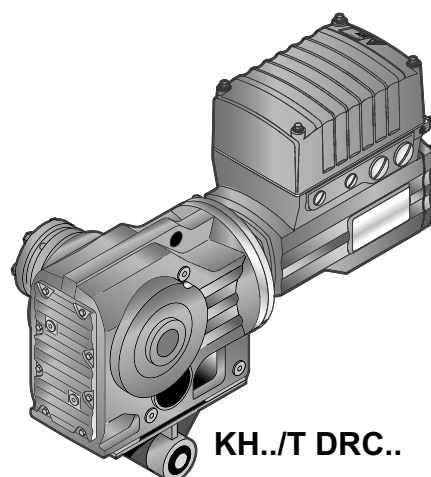
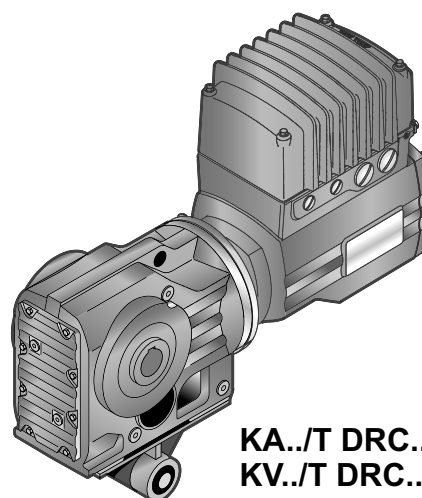
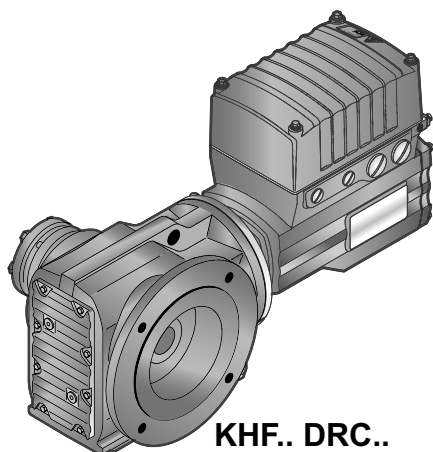
KF..DRC..



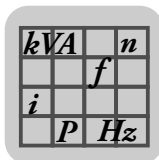
**KAF..DRC..
KVF..DRC..**

9007204207741963

kVA	n
i	f
P	H_z



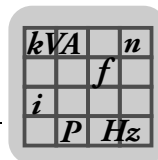
4952999051



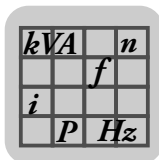
13.2 Selection tables

13.2.1 K 37

			DRC1		DRC2			
	na ₁ [rpm]	na ₂₀₀₀ [rpm]	M _a [Nm]	M _{ap_k} [Nm]	M _a [Nm]	M _{ap_k} [Nm]	M _{aNotAus} [Nm]	i
K37  3	0.25	503	11	26	29	72	213	3.98
	0.19	373	14	35	39	96	238	5.36
	0.16	314	17	42	46	115	247	6.37
	0.15	294	18	45	49	122	255	6.80
	0.13	251	21	53	57	143	264	7.96
	0.11	224	24	59	64	160	272	8.91
	0.10	191	28	69	76	189	272	10.49
	0.08	165	32	80	87	>199	272	12.14
	0.08	153	35	87	94	235	281	13.08
	0.07	131	41	101	110	>240	298	15.31
	0.06	117	45	114	123	>240	306	17.15
	0.05	99	54	134	145	>240	315	20.19
	0.04	86	62	155	168	>240	332	23.36
	0.04	80	66	165	180	>240	340	24.99
	0.03	69	76	191			340	28.83
	0.03	67	79	198	>200	>230	340	29.96
	0.03	56	94	>230	>200	>230	340	35.57
	0.03	53	101	>230	>200	>230	340	37.97
	0.02	45	118	>230	>200	>230	340	44.46
	0.02	40	132	>230	>200	>230	340	49.79
	0.02	34	155	>230	>200	>230	340	58.60
	0.01	29	180	>230	>200	>230	340	67.80
	0.01	28	192	>230	>200	>230	340	72.54
	0.01	24	>200	>230			340	83.69
	0.01	20	>200	>230			340	97.81
	0.009	19	>200	>230			340	106.38
m [kg]			DRC1		DRC2			
K37	 3		32		38			
KF: + 2.3 kg / KA: + -0.2 kg / KAF: + 1.5 kg								



DRC.. $n_e = 1400$				F_{Ramax}				F_{Rapk}			
	i	ϕ / R [°]	$J_G \cdot 10^{-4}$ [kgm ²]	K [N]	KF [N]	KA [N]	KAF [N]	K [N]	KF [N]	KA [N]	KAF [N]
 K37 3	3.98	13	2.6	1660	2130	2310	2310	5780	5710	7000	7000
	5.36	13	1.7	1810	2340	2530	2530	5650	5640	7000	7000
	6.37	13	1.3	1950	2500	2720	2720	5650	5640	7000	7000
	6.80	13	1.1	1980	2540	2760	2760	5650	5640	7000	7000
	7.96	13	0.85	2110	2700	2940	2940	5650	5640	7000	7000
	8.91	12	0.70	2200	2810	3070	3070	5650	5640	7000	7000
	10.49	12	0.51	2410	3030	3340	3340	5650	5640	7000	7000
	12.14	12	0.40	2600	3240	3600	3600	5650	5640	7000	7000
	13.08	9	1.0	2650	3310	3660	3660	4100	4100	7000	7000
	15.31	9	0.76	2780	3480	3850	3850	4100	4100	7000	7000
	17.15	8	0.62	2900	3630	4020	4020	4100	4100	7000	7000
	20.19	8	0.46	3110	3870	4300	4300	4100	4100	7000	7000
	23.36	8	0.37	3260	4060	4510	4510	4100	4100	7000	7000
	24.99	8	0.33	3330	4150	4600	4600	4100	4100	7000	7000
	28.83	8	0.26	3580	4420	4940	4940	4100	4100	7000	7000
	29.96	7	0.76	3650	4500	5030	5030	5140	5140	7000	7000
	35.57	7	0.60	3970	4860	5460	5460	5140	5140	7000	7000
	37.97	7	0.54	4100	5000	5630	5630	5140	5140	7000	7000
	44.46	7	0.42	4420	5350	6060	6060	5140	5140	7000	7000
	49.79	7	0.36	4660	5610	6380	6380	5140	5140	7000	7000
	58.60	7	0.27	5020	5630	6860	6860	5140	5140	7000	7000
	67.80	7	0.23	5360	5630	7000	7000	5140	5140	7000	7000
	72.54	7	0.21	5520	5630	7000	7000	5140	5140	7000	7000
	83.69	7	0.17	5640	5630	7000	7000	5140	5140	7000	7000
	97.81	7	0.13	5640	5630	7000	7000	5140	5140	7000	7000
	106.38	7	0.12	5640	5630	7000	7000	5140	5140	7000	7000

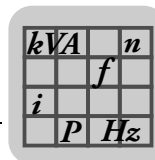


Helical-Bevel Gearmotors

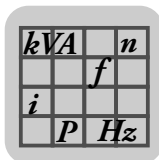
Selection tables

13.2.2 K 47

			DRC1		DRC2			
	na ₁ [rpm]	na ₂₀₀₀ [rpm]	M _a [Nm]	M _{apk} [Nm]	M _a [Nm]	M _{apk} [Nm]	M _{aNotAus} [Nm]	i
K47  3	0.22	431			33	84	349	4.64
	0.17	344	15	38	42	105	391	5.81
	0.15	304	17	44	47	118	408	6.58
	0.14	272	20	49	53	132	425	7.36
	0.12	234	23	57	62	154	459	8.56
	0.11	220	24	60	66	164	476	9.10
	0.09	189	28	70	76	190	476	10.56
	0.08	170	31	78	85	210	476	11.77
	0.08	164	32	81	88	215	595	12.19
	0.07	147	36	90	98	245	612	13.65
	0.06	126	42	105	114	285	646	15.86
	0.06	119	45	112	121	300	646	16.86
	0.05	102	52	130	141	350	680	19.58
	0.05	92	58	144	157	390	680	21.81
	0.04	83	64	159	173	430	680	24.06
	0.04	77	69	172	187	>435	680	25.91
	0.03	68	78	194	210	>435	680	29.32
	0.03	64	83	205	225	>435	680	31.30
	0.03	57	94	230	250	>435	680	35.39
	0.03	50	105	260	285	>435	680	39.61
	0.02	43	122	300	330	>435	680	46.03*
	0.02	41	130	320	350	>435	680	48.95*
	0.02	35	151	375	>400	>435	680	56.83
	0.02	32	168	415	>400	>435	680	63.30*
	0.01	29	185	>435	>400	>435	680	69.84
	0.01	27	199	>435	>400	>435	680	75.20*
	0.01	23	225	>435	>400	>435	680	85.12*
0.01	22	240	>435	>400	>435	680	90.86	
0.010	19	275	>435			680	104.37	
0.008	16	320	>435			680	121.48*	
0,008	15	345	>435			680	131.87*	
m [kg]			DRC1		DRC2			
K47	 3		38		44			
KF: + 3.2 kg / KA: + -0.9 kg / KAF: + 2.0 kg								

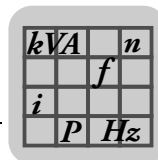


DRC.. $n_e = 1400$				F_{Ramax}				F_{Rapk}			
	i	ϕ / R [°]	$J_G \cdot 10^{-4}$ [kgm ²]	K [N]	KF [N]	KA [N]	KAF [N]	K [N]	KF [N]	KA [N]	KAF [N]
 3	4.64	12	4.4	2980	2970	2040	2040	7060	7060	10000	10000
	5.81	12	3.6	3140	3140	2100	2100	7020	7020	10000	10000
	6.58	12	2.8	3270	3270	2190	2190	6970	6970	10000	10000
	7.36	11	2.3	3380	3390	2270	2270	6970	6970	10000	10000
	8.56	11	1.8	3500	3520	2310	2310	6970	6970	10000	10000
	9.10	11	1.6	3540	3560	2310	2310	6970	6970	10000	10000
	10.56	11	1.2	3830	3840	2580	2580	6920	6920	10000	10000
	11.77	10	1.0	4060	4050	2770	2770	6920	6920	10000	10000
	12.19	8	2.4	3720	3770	2330	2330	900	900	10000	10000
	13.65	8	2.0	3890	3940	2450	2450	900	900	10000	10000
	15.86	8	1.6	4080	4130	2570	2570	900	900	10000	10000
	16.86	8	1.4	4220	4270	2690	2690	900	900	10000	10000
	19.58	8	1.1	4440	4480	2820	2820	900	900	10000	10000
	21.81	8	0.91	4710	4740	3070	3070	900	900	10000	10000
	24.06	8	0.75	4970	4990	3300	3300	900	900	10000	10000
	25.91	8	0.68	5170	5180	3470	3470	900	900	10000	10000
	29.32	8	0.55	5520	5500	3780	3780	900	900	10000	10000
	31.30	7	0.50	5700	5680	3940	3940	900	900	10000	10000
	35.39	7	1.3	5920	5920	4270	4270	900	900	10000	10000
	39.61	7	1.1	5920	5920	4580	4580	900	900	10000	10000
	46.03*	7	0.88	5920	5920	5000	5000	900	900	10000	10000
	48.95*	7	0.80	5920	5920	5190	5190	900	900	10000	10000
	56.83	7	0.64	5920	5920	5640	5640	900	900	10000	10000
	63.30*	7	0.54	5920	5920	5990	5990	900	900	10000	10000
	69.84	6	0.45	5920	5920	6320	6320	900	900	10000	10000
	75.20*	6	0.42	5920	5920	6570	6570	900	900	10000	10000
	85.12*	6	0.35	5920	5920	7000	7000	900	900	10000	10000
	90.86	6	0.32	5920	5920	7240	7240	900	900	10000	10000
	104.37	6	0.26	5920	5920	7760	7760	900	900	10000	10000
	121.48*	6	0.21	5920	5920	8360	8360	900	900	10000	10000
	131.87*	6	0.18	5920	5920	8700	8700	900	900	10000	10000

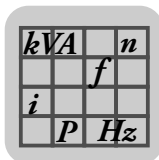


13.2.3 K 57

			DRC1		DRC2			
	na ₁ [rpm]	na ₂₀₀₀ [rpm]	M _a [Nm]	M _{apk} [Nm]	M _a [Nm]	M _{apk} [Nm]	M _{aNotAus} [Nm]	i
K57  3	0.21	426			34	84	510	4.69
	0.15	304			47	118	587	6.57
	0.13	265	20	50	54	136	621	7.55
	0.11	230	23	58	63	157	663	8.71
	0.10	209	25	63	69	173	689	9.59
	0.09	178	30	75	81	200	706	11.26
	0.08	168	32	79	86	210	706	11.92
	0.08	151			95	235	867	13.25
	0.07	131	40	101	110	270	910	15.22
	0.06	114	47	116	127	315	944	17.57
	0.05	103	51	128	139	345	978	19.34
	0.04	88	60	150	164	405	1020	22.71
	0.04	83	64	159	173	430	1020	24.05
	0.04	73	72	181	197	490	1020	27.34
	0.03	66	80	200	215	545	1020	30.28
	0.03	56	95	235	255	640	1020	35.70
	0.03	52	102	250	275	>665	1020	38.49
	0.02	45	118	290	315	>665	1020	44.43
	0.02	41	130	320	350	>665	1020	48.89
	0.02	35	152	380	410	>665	1020	57.42*
	0.02	33	161	400	435	>665	1020	60.81*
	0.01	29	183	455	495	>665	1020	69.12
	0.01	26	200	505	550	>665	1020	76.56*
	0.01	22	235	595	>600	>665	1020	90.26*
	0.010	19	270	>665	>600	>665	1020	102.88*
	0.009	18	285	>665	>600	>665	1020	108.29
	0,008	16	325	>665			1020	123.85
	0.007	14	380	>665			1020	145.14*
m [kg]			DRC1		DRC2			
K57	 3		44		50			
KF: + 4.7 kg / KA: + -2.1 kg / KAF: + 3.6 kg								

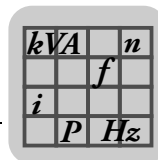


DRC.. n _e = 1400				F _{Ramax}				F _{Rapk}			
	i	φ /R [°]	J _G 10 ⁻⁴ [kgm ²]	K [N]	KF [N]	KA [N]	KAF [N]	K [N]	KF [N]	KA [N]	KAF [N]
 K57 3	4.69	11	9.0	3800	3980	2580	2580	8520	8520	11500	11500
	6.57	10	5.6	4180	4400	2800	2800	7990	8110	11500	11500
	7.55	10	4.4	4360	4580	2900	2900	7740	7920	11500	11500
	8.71	10	3.5	4520	4760	2980	2980	7420	7660	11500	11500
	9.59	10	3.0	4650	4900	3050	3050	7420	7660	11500	11500
	11.26	9	2.3	4990	5250	3340	3340	7420	7660	11500	11500
	11.92	9	2.1	5150	5400	3470	3470	7420	7660	11500	11500
	13.25	7	4.8	5190	5350	3240	3240	4700	4700	11500	11500
	15.22	7	3.8	5430	5600	3390	3390	4700	4700	11500	11500
	17.57	7	3.0	5740	5910	3610	3610	4700	4700	11500	11500
	19.34	7	2.6	5910	6080	3710	3710	4700	4700	11500	11500
	22.71	7	2.0	6280	6460	3970	3970	4700	4700	11500	11500
	24.05	7	1.9	6480	6650	4140	4140	4700	4700	11500	11500
	27.34	7	1.5	6930	7090	4550	4550	4700	4700	11500	11500
	30.28	7	1.2	7300	7460	4880	4880	4700	4700	11500	11500
	35.70	7	0.95	7630	7720	5440	5440	4700	4700	11500	11500
	38.49	6	2.3	7630	7720	5710	5710	4700	4700	11500	11500
	44.43	6	1.9	7630	7720	6240	6240	4700	4700	11500	11500
	48.89	6	1.6	7630	7720	6610	6610	4700	4700	11500	11500
	57.42*	6	1.3	7630	7720	7260	7260	4700	4700	11500	11500
	60.81*	6	1.2	7630	7720	7490	7490	4700	4700	11500	11500
	69.12	6	0.98	7630	7720	8040	8040	4700	4700	11500	11500
	76.56*	6	0.85	7630	7720	8500	8500	4700	4700	11500	11500
	90.26*	6	0.67	7630	7720	9260	9260	4700	4700	11500	11500
	102.88*	6	0.46	7630	7720	9900	9900	4700	4700	11500	11500
	108.29	6	0.41	7630	7720	10200	10200	4700	4700	11500	11500
	123.85	6	0.33	7630	7720	10900	10900	4700	4700	11500	11500
	145.14*	6	0.27	7630	7720	11500	11500	4700	4700	11500	11500

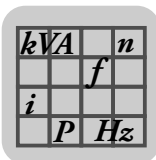


13.2.4 K 67

			DRC1		DRC2			
	na ₁ [rpm]	na ₂₀₀₀ [rpm]	M _a [Nm]	M _{apk} [Nm]	M _a [Nm]	M _{apk} [Nm]	M _{aNotAus} [Nm]	i
K67  3	0.19	385			37	94	595	5.20
	0.14	275			52	131	714	7.28
	0.12	239	22	55	60	151	748	8.37
	0.10	207	26	64	70	174	816	9.66
	0.09	188	28	70	77	191	850	10.63
	0.08	160	33	83	90	220	901	12.48
	0.08	151			95	235	1139	13.22
	0.07	132	40	101	109	270	1190	15.19
	0.06	114	46	116	126	315	1258	17.54
	0.05	104	51	128	139	345	1292	19.30
	0.04	88	60	150	163	405	1326	22.66
	0.04	83	64	159	173	430	1360	24.00
	0.04	73	72	181	196	490	1394	27.28
	0.03	66	80	200	215	540	1394	30.22
	0.03	56	94	235	255	640	1394	35.62
	0.03	52	102	250	275	690	1360	38.39
	0.02	45	117	290	315	795	1394	44.32
	0.02	41	129	320	350	870	1394	48.77
	0.02	35	152	375	410	>920	1394	57.28
	0.02	33	161	400	435	>920	1394	60.66
	0.01	29	183	455	495	>920	1394	68.95
	0.01	26	200	505	545	>920	1394	76.37
	0.01	22	235	595	645	>920	1394	90.04
	0.010	19	270	675	735	>920	1394	102.62
	0.009	19	285	715	775	>920	1394	108.03
	0.008	16	325	810			1394	123.54
	0.007	14	380	>920			1394	144.79*
m [kg]			DRC1		DRC2			
K67	 3		50		56			
KF: + 5.6 kg / KA: + -2.7 kg / KAF: + 3.0 kg								



DRC.. n _e = 1400				F _{Ramax}				F _{Rapk}			
	i	φ /R [°]	J _G 10 ⁻⁴ [kgm ²]	K [N]	KF [N]	KA [N]	KAF [N]	K [N]	KF [N]	KA [N]	KAF [N]
 3	5.20	10	11	9860	10000	2450	2450	12300	12300	13000	13000
	7.28	9	6.3	10700	10900	2480	2480	11700	11700	13000	13000
	8.37	9	4.9	11100	11400	2590	2590	11500	11500	13000	13000
	9.66	9	3.8	11500	11700	2550	2550	11400	11400	13000	13000
	10.63	9	3.2	11800	12000	2590	2590	11300	11300	13000	13000
	12.48	9	2.5	12300	12300	2710	2710	11300	11300	13000	13000
	13.22	8	5.6	11500	11500	2420	2420	9310	9310	13000	13000
	15.19	8	4.4	11300	11300	2550	2550	9310	9310	13000	13000
	17.54	7	3.4	11000	11000	2630	2630	9310	9310	13000	13000
	19.30	7	2.9	10800	10800	2740	2740	9310	9310	13000	13000
	22.66	7	2.2	10700	10700	3070	3070	9310	9310	13000	13000
	24.00	7	2.0	10500	10500	3090	3090	9310	9310	13000	13000
	27.28	7	1.6	10300	10300	3340	3340	9310	9310	13000	13000
	30.22	7	1.3	10300	10300	3680	3680	9310	9310	13000	13000
	35.62	7	1.0	10300	10300	4260	4260	9310	9310	13000	13000
	38.39	6	2.4	10500	10500	4690	4690	9310	9310	13000	13000
	44.32	6	1.9	10300	10300	5070	5070	9310	9310	13000	13000
	48.77	6	1.7	10300	10300	5440	5440	9310	9310	13000	13000
	57.28	6	1.4	10300	10300	6100	6100	9310	9310	13000	13000
	60.66	6	1.2	10300	10300	6340	6340	9310	9310	13000	13000
	68.95	6	1.0	10300	10300	6900	6900	9310	9310	13000	13000
	76.37	6	0.87	10300	10300	7360	7360	9310	9310	13000	13000
	90.04	6	0.68	10300	10300	8140	8140	9310	9310	13000	13000
	102.62	6	0.47	10300	10300	8800	8800	9310	9310	13000	13000
	108.03	6	0.42	10300	10300	9060	9060	9310	9310	13000	13000
	123.54	6	0.34	10300	10300	9770	9770	9310	9310	13000	13000
	144.79*	6	0.28	10300	10300	10700	10700	9310	9310	13000	13000

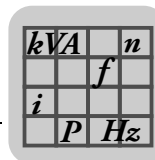


Helical-Bevel Gearmotors

Selection tables

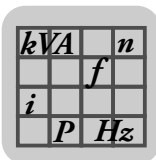
13.2.5 K 77

			DRC1		DRC2			
	na ₁ [rpm]	na ₂₀₀₀ [rpm]	M _a [Nm]	M _{apk} [Nm]	M _a [Nm]	M _{apk} [Nm]	M _{aNotAus} [Nm]	i
K77  3	0.14	276			52	130	1394	7.24
	0.12	236			61	153	1513	8.48
	0.10	209			69	172	1598	9.56
	0.09	185	29	72	78	195	1683	10.84
	0.08	162	33	82	89	220	1700	12.36
	0.07	148			97	240	2278	13.52
	0.06	126			114	285	2380	15.84
	0.06	112			129	320	2465	17.87
	0.05	99	54	134	146	360	2550	20.25
	0.04	87	61	153	166	415	2635	23.08
	0.04	78	68	170	184	460	2635	25.62
	0.03	68	78	194	210	525	2635	29.27
	0.03	65	82	200	220	555	2635	30.89
	0.03	57	93	230	250	630	2635	35.20
	0.03	52	102	250	275	690	2550	38.39
	0.02	50			285	720	2635	40.04
	0.02	44			325	810	2635	45.16
	0.02	39	136	335	365	920	2635	51.18
	0.02	34	155	385	420	1050	2635	58.34
	0.02	31	172	425	465	1160	2635	64.75
	0.01	27	196	485	530	1330	2635	73.99
	0.01	26	205	515	560	1400	2635	78.07
	0.01	22	235	585	640	>1550	2635	88.97
	0.01	21	255	640	695	>1550	2635	97.05
	0.009	18	300	750	810	>1550	2635	113.56
	0.008	16	340	850	920	>1550	2635	128.52
	0.007	15	355	890	970	>1550	2635	135.28
	0.006	13	405	1010			2635	154.02
	0.006	11	475	1180			2465	179.37
	0.005	10	505	1270			2465	192.18
m [kg]			DRC1		DRC2			
K77	 3		76		82			
KF: + 8.3 kg / KA: + -7.5 kg / KAF: + 0.4 kg								



DRC.. n _e = 1400				F _{Ramax}				F _{Rapk}			
	i	φ /R [°]	J _G 10 ⁻⁴ [kgm ²]	K [N]	KF [N]	KA [N]	KAF [N]	K [N]	KF [N]	KA [N]	KAF [N]
	7.24	8	17	13100	13800	2490	2490	17700	17700	20000	20000
	8.48	8	13	13500	14300	2430	2430	17600	17700	20000	20000
	9.56	8	10	13900	14700	2430	2430	17600	17700	20000	20000
	10.84	8	8.2	14400	15200	2460	2460	17600	17700	20000	20000
	12.36	8	6.5	15100	16000	2820	2820	17600	17700	20000	20000
	13.52	7	15	14800	15800	1850	1850	15400	16600	20000	20000
	15.84	6	11	15500	16600	2030	2030	15400	16600	20000	20000
	17.87	6	9.0	16100	16900	2160	2160	15400	16600	20000	20000
	20.25	6	7.2	15700	16800	2330	2330	15400	16600	20000	20000
	23.08	6	5.8	15400	16600	2550	2550	15400	16600	20000	20000
	25.62	6	5.0	15400	16600	2990	2990	15400	16600	20000	20000
	29.27	6	4.0	15400	16600	3590	3590	15400	16600	20000	20000
	30.89	6	3.6	15400	16600	3840	3840	15400	16600	20000	20000
	35.20	6	2.9	15400	16600	4460	4460	15400	16600	20000	20000
	38.39	6	2.5	15700	16800	5210	5210	15400	16600	20000	20000
	40.04	6	6.0	15400	16600	5100	5100	15400	16600	20000	20000
	45.16	6	4.9	15400	16600	5720	5720	15400	16600	20000	20000
	51.18	6	4.1	15400	16600	6390	6390	15400	16600	20000	20000
	58.34	6	3.3	15400	16600	7130	7130	15400	16600	20000	20000
	64.75	5	3.0	15400	16600	7740	7740	15400	16600	20000	20000
	73.99	5	2.4	15400	16600	8550	8550	15400	16600	20000	20000
	78.07	5	2.3	15400	16600	8890	8890	15400	16600	20000	20000
	88.97	5	1.9	15400	16600	9730	9730	15400	16600	20000	20000
	97.05	5	1.6	15400	16600	10300	10300	15400	16600	20000	20000
	113.56	5	1.3	15400	16600	11400	11400	15400	16600	20000	20000
	128.52	5	0.90	15400	16600	12300	12300	15400	16600	20000	20000
	135.28	5	0.81	15400	16600	12700	12700	15400	16600	20000	20000
	154.02	5	0.66	15400	16600	13700	13700	15400	16600	20000	20000
	179.37	5	0.53	16100	16900	15600	15600	15400	16600	20000	20000
	192.18	5	0.46	16100	16900	16200	16200	15400	16600	20000	20000

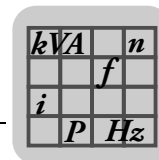




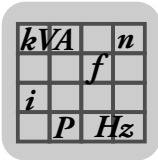
13.2.6 K 87

			DRC2			
	na ₁ [rpm]	na ₂₀₀₀ [rpm]	M _a [Nm]	M _{apk} [Nm]	M _{aNotAus} [Nm]	i
K87  3	0.14	277			2210	7.21
	0.12	241			2380	8.29
	0.10	200			2550	10.00
	0.09	179	80	200	2550	11.17
	0.08	159			3400	12.56
	0.07	138			3570	14.45
	0.06	125	115	285	3060	16.00
	0.06	115			3740	17.42
	0.05	103	140	350	3910	19.45
	0.04	89	161	400	3910	22.41
	0.04	80	179	445	4250	24.92
	0.04	72	200	500	4420	27.88
	0.03	64	225	565	4590	31.39
	0.03	55			4250	36.52*
	0.02	45			4420	44.02
	0.02	41	350	880	4590	49.16
	0.02	35	405	1010	4590	56.64
	0.02	32	450	1130	4590	63.00*
	0.01	28	505	1260	4590	70.46
	0.01	25	570	1420	4590	79.34
	0.01	23	620	1550	4590	86.34
	0.010	19	735	1840	4590	102.71*
	0.009	17	830	2080	4590	115.82
	0.008	16	910	2280	4590	126.91*
	0.007	14	1060	2650	4590	147.32*
	0.006	12	1180	2950	4590	164.34*
	0,006	11	1250	3130	4590	174.19
	0.005	10			4590	197.37

m [kg]			DRC2			
K87	 3		115			
KF: + 9.2 kg / KA: + -12.1 kg / KAF: + 1.1 kg						



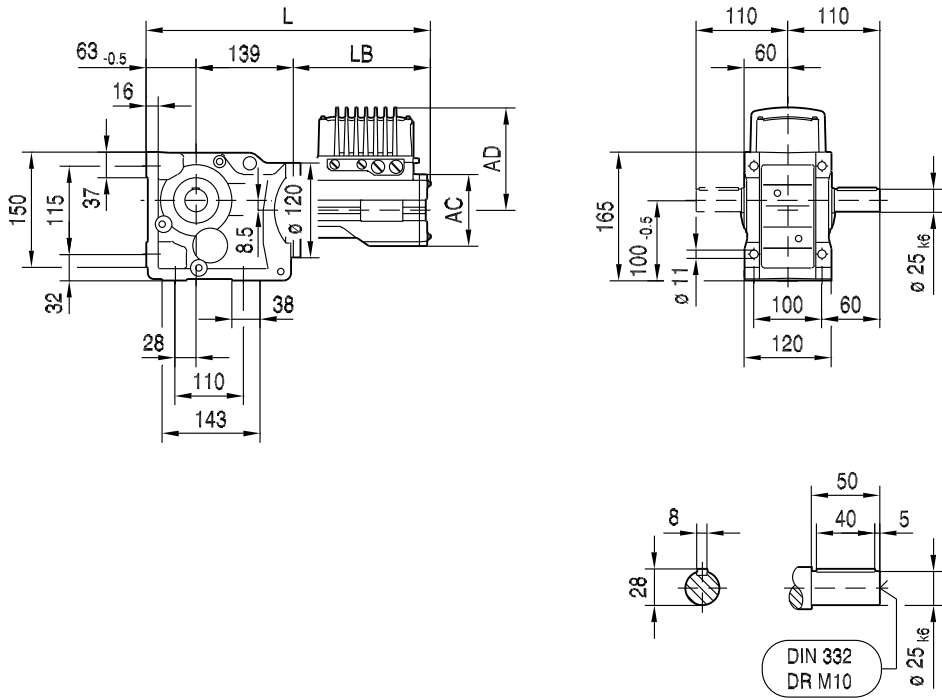
DRC.. $n_e = 1400$				F_{Ramax}				F_{Rapk}			
	i	ϕ / R [°]	$J_G \cdot 10^{-4}$ [kgm ²]	K [N]	KF [N]	KA [N]	KAF [N]	K [N]	KF [N]	KA [N]	KAF [N]
 3	7.21	7	46	13200	15100	4970	4970	28100	27000	30000	30000
	8.29	7	35	13500	15600	4960	4960	27900	26900	30000	30000
	10.00	7	26	14200	16400	5210	5210	27800	26700	30000	30000
	11.17	7	22	14900	17100	5770	5770	27800	26700	30000	30000
	12.56	6	42	14800	17000	5030	5030	26900	25900	30000	30000
	14.45	6	32	15300	17700	5240	5240	26700	25700	30000	30000
	16.00	6	12	16000	18500	5810	5810	27700	26700	30000	30000
	17.42	6	24	16300	18800	5770	5770	26500	25600	30000	30000
	19.45	6	20	16800	19300	5890	5890	26500	25600	30000	30000
	22.41	6	16	17900	20600	6790	6790	26500	25600	30000	30000
	24.92	6	14	18000	20700	6390	6390	26500	25600	30000	30000
	27.88	6	12	18500	21400	6600	6600	26500	25600	30000	30000
	31.39	6	9.6	19200	22100	6900	6900	26500	25600	30000	30000
	36.52*	6	20	21400	24500	9140	9140	26500	25600	30000	30000
	44.02	6	16	22800	26000	10100	10100	26500	25600	30000	30000
	49.16	5	14	23500	26300	10400	10400	26500	25600	30000	30000
	56.64	5	11	25000	26300	11600	11600	26500	25600	30000	30000
	63.00*	5	9.8	26200	26300	12600	12600	26500	25600	30000	30000
	70.46	5	8.4	27300	26300	13700	13700	26500	25600	30000	30000
	79.34	5	7.1	27300	26300	14800	14800	26500	25600	30000	30000
	86.34	5	6.3	27300	26300	15700	15700	26500	25600	30000	30000
	102.71*	5	4.9	27300	26300	17500	17500	26500	25600	30000	30000
	115.82	5	4.0	27300	26300	18800	18800	26500	25600	30000	30000
	126.91*	5	3.5	27300	26300	19900	19900	26500	25600	30000	30000
	147.32*	5	2.8	27300	26300	21600	21600	26500	25600	30000	30000
	164.34*	5	1.8	27300	26300	23000	23000	26500	25600	30000	30000
	174.19	5	1.6	27300	26300	23700	23700	26500	25600	30000	30000
	197.37	5	1.3	27300	26300	25400	25400	26500	25600	30000	30000



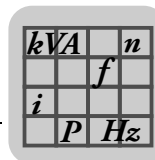
13.3 Dimension sheets

K37..

33 001 00 12

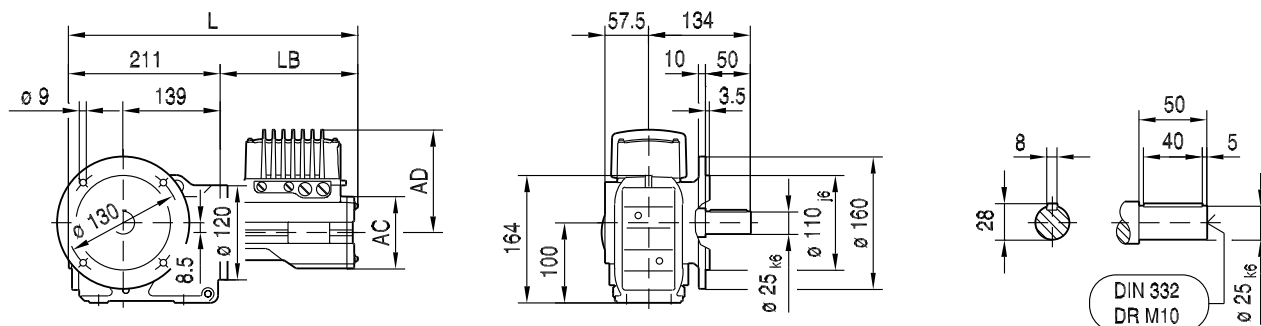


(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	496	512						
LB	294	310						



KF37..

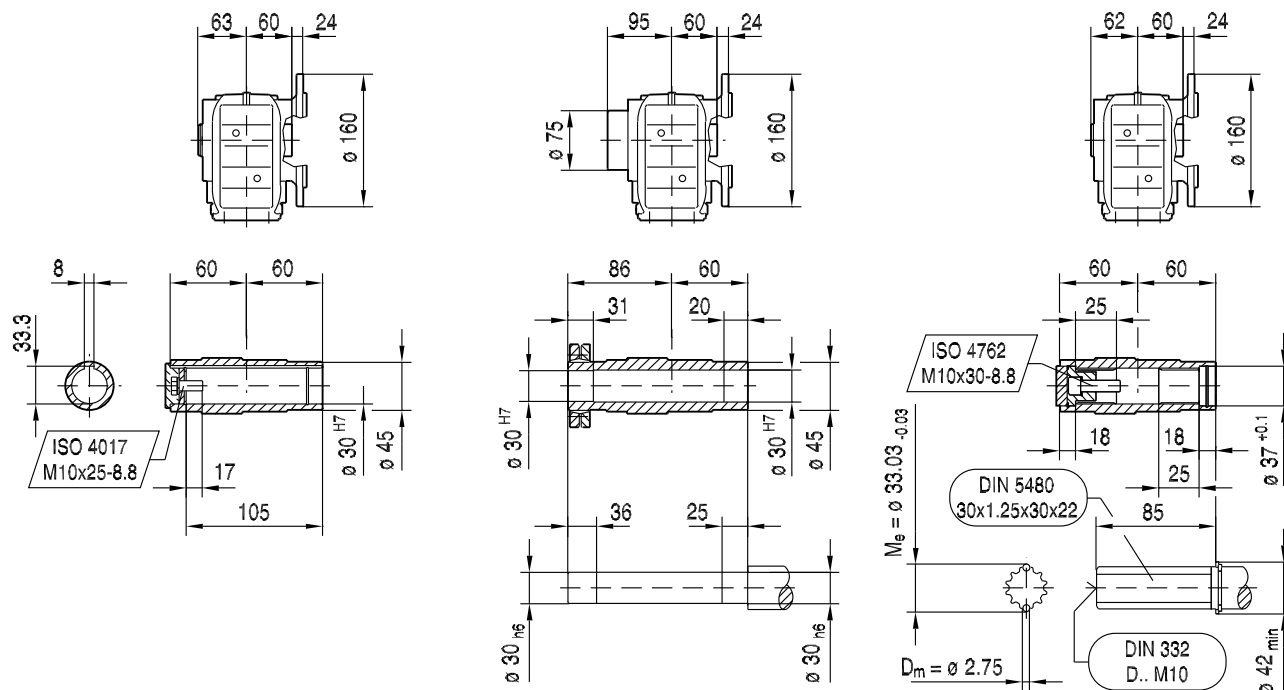
33 002 00 12



KAF37..

KHF37..

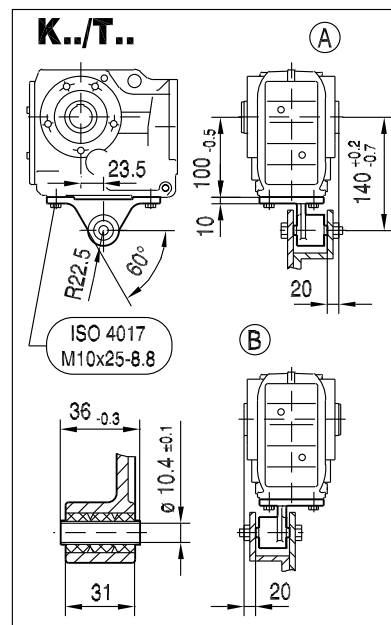
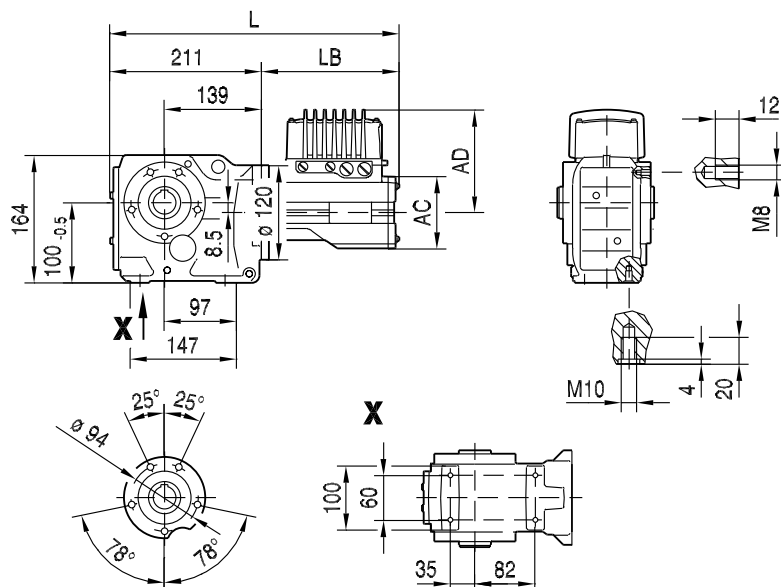
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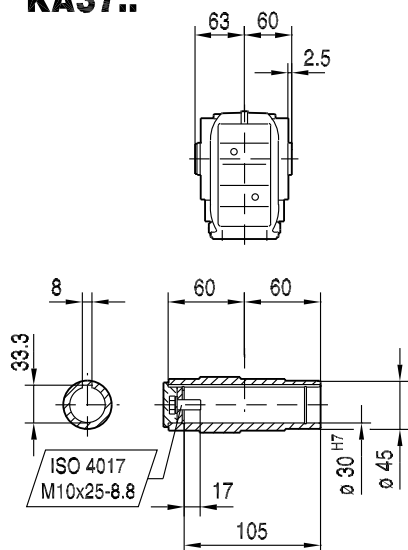
(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	505	521						
LB	294	310						

KA37..

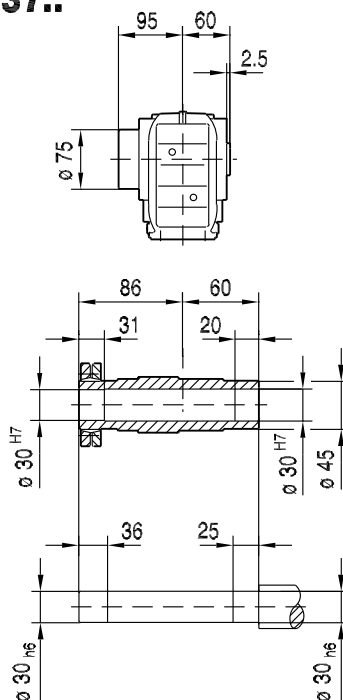
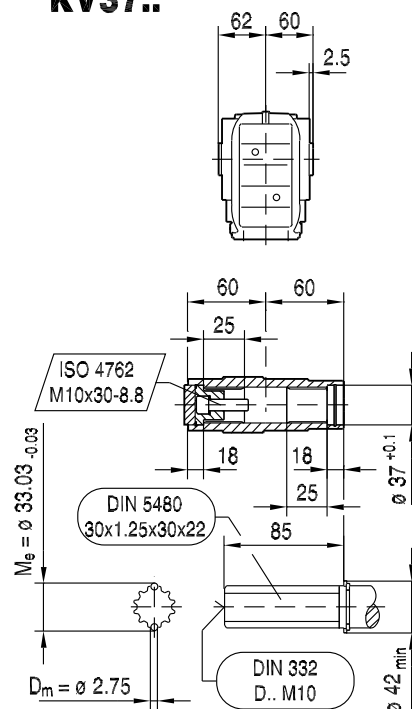
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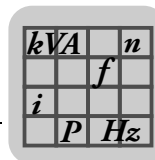
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KH37..

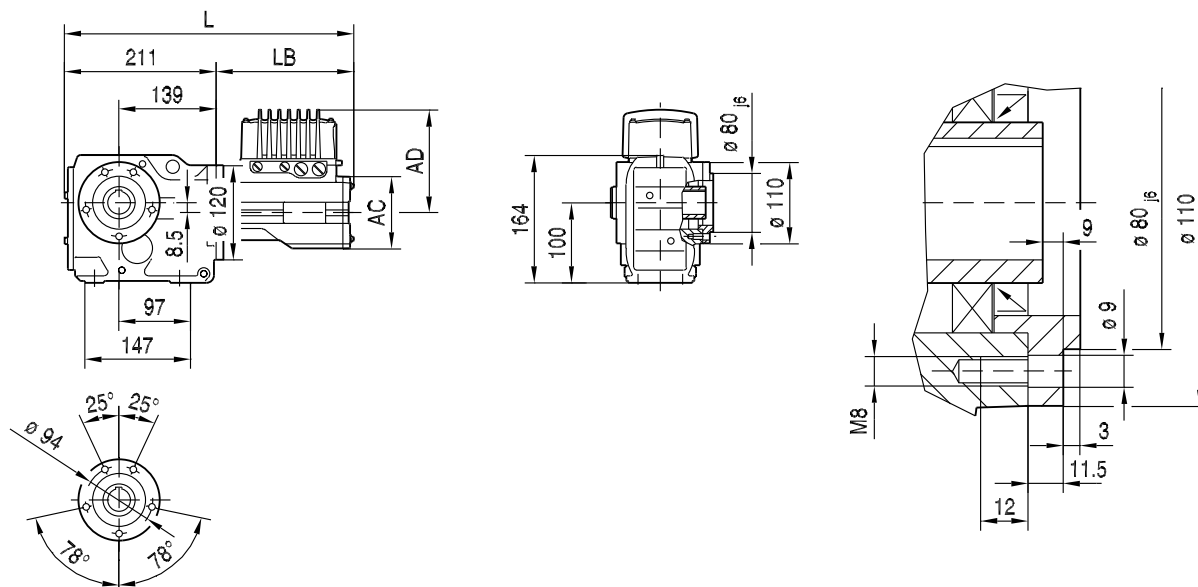
**KV37..**

(→  265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	505	521						
LB	294	310						



KAZ37..

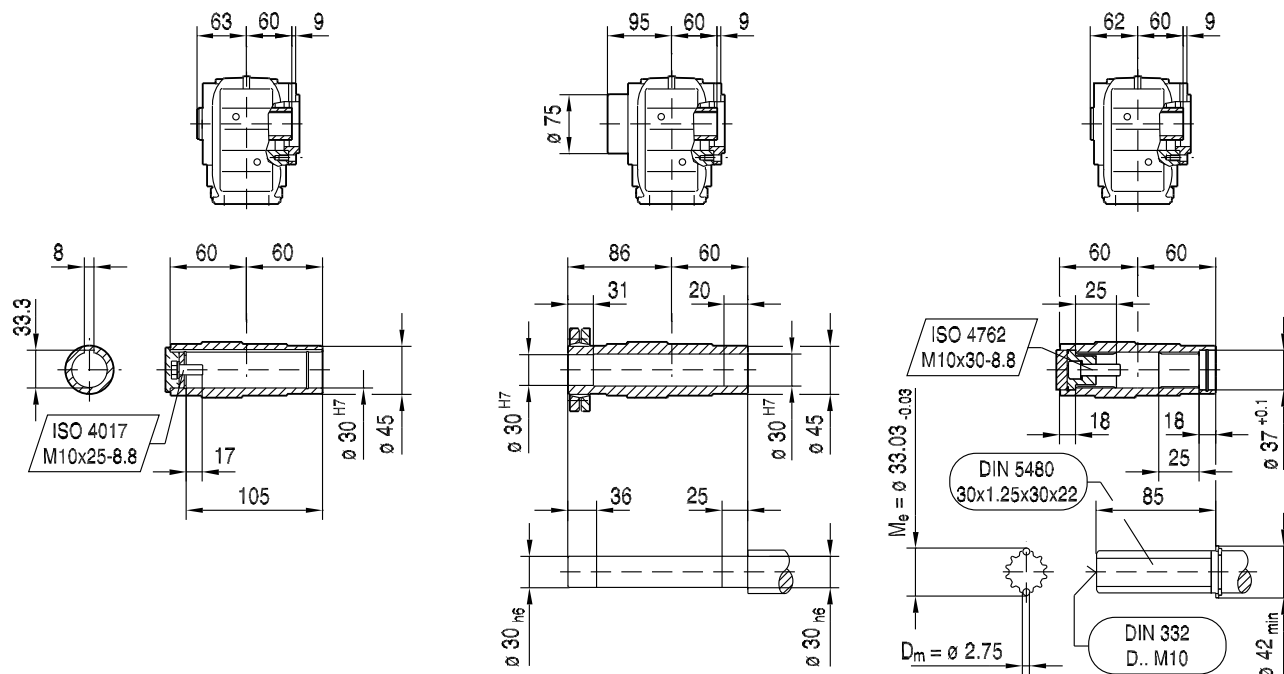
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KAZ37..

KHZ37..

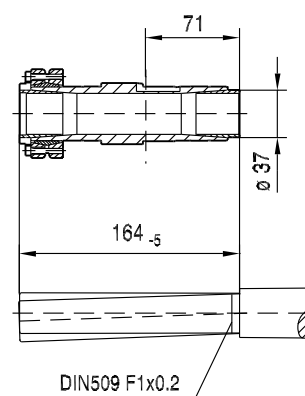
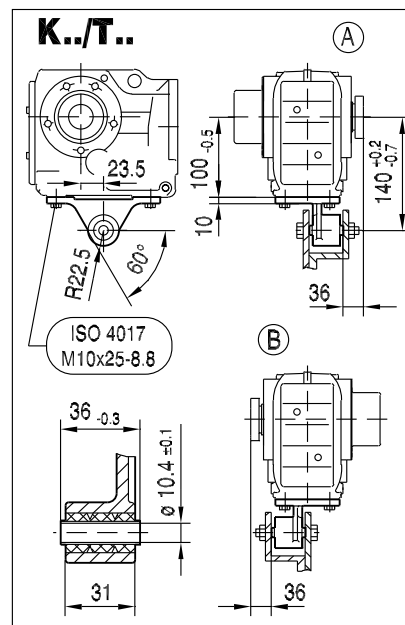
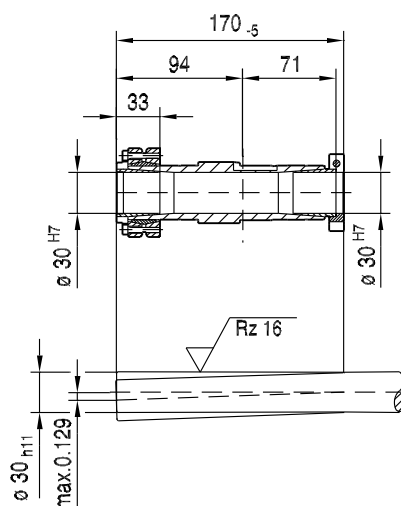
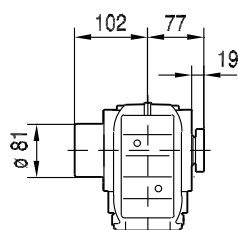
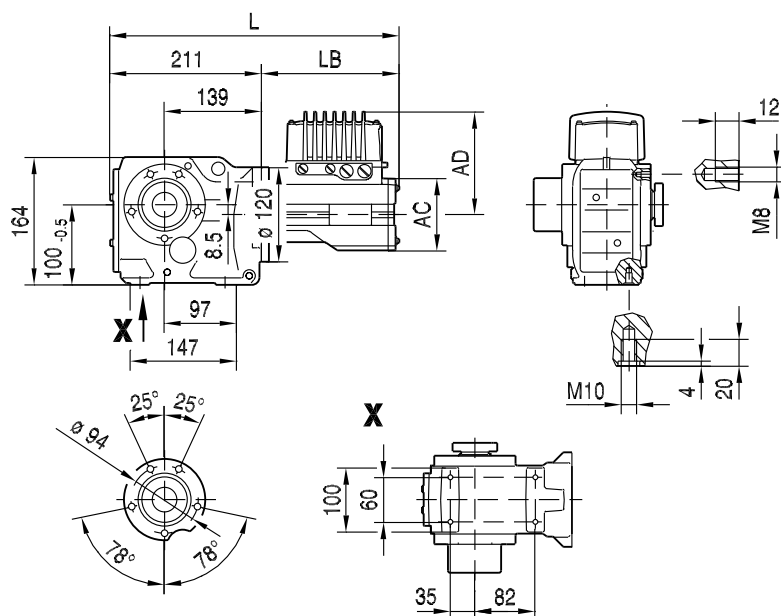
KVZ37..



(→ 265)	DRC1	DRC2					
AC	128	154					
AD	185	218					
L	505	521					
LB	294	310					

KT37..

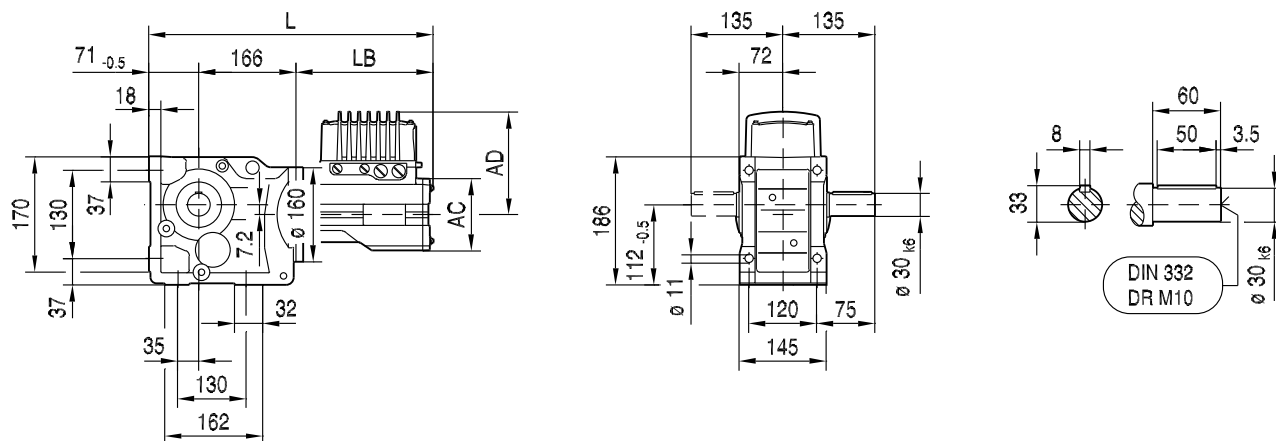
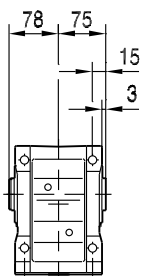
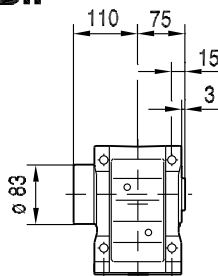
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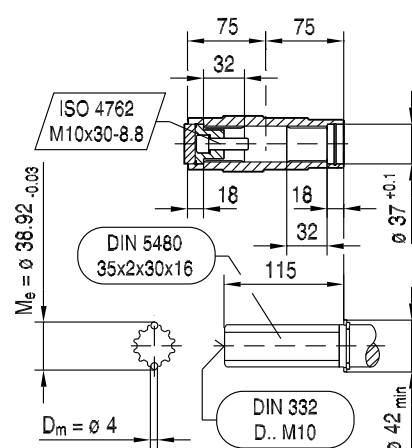
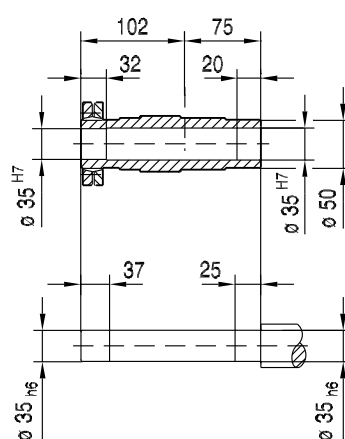
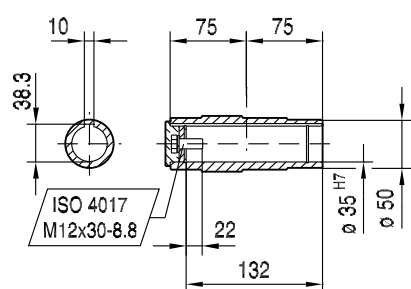
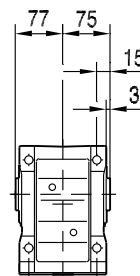
(→  265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	505	521						
LB	294	310						

K47..

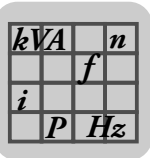
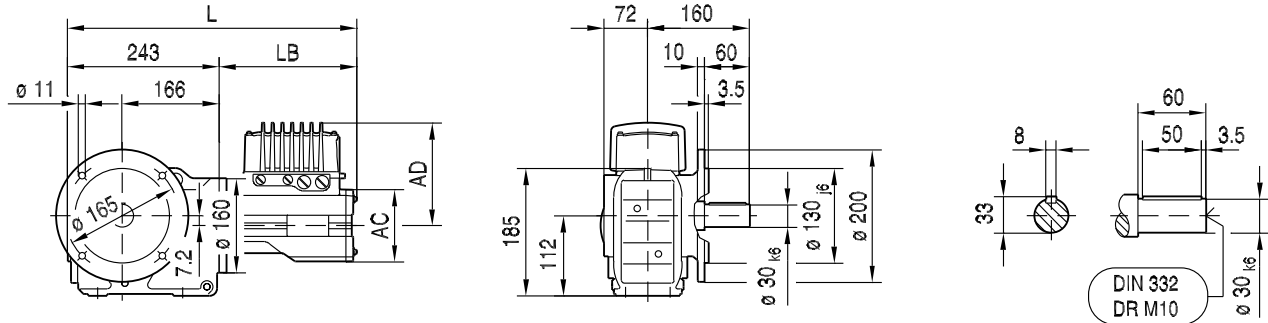
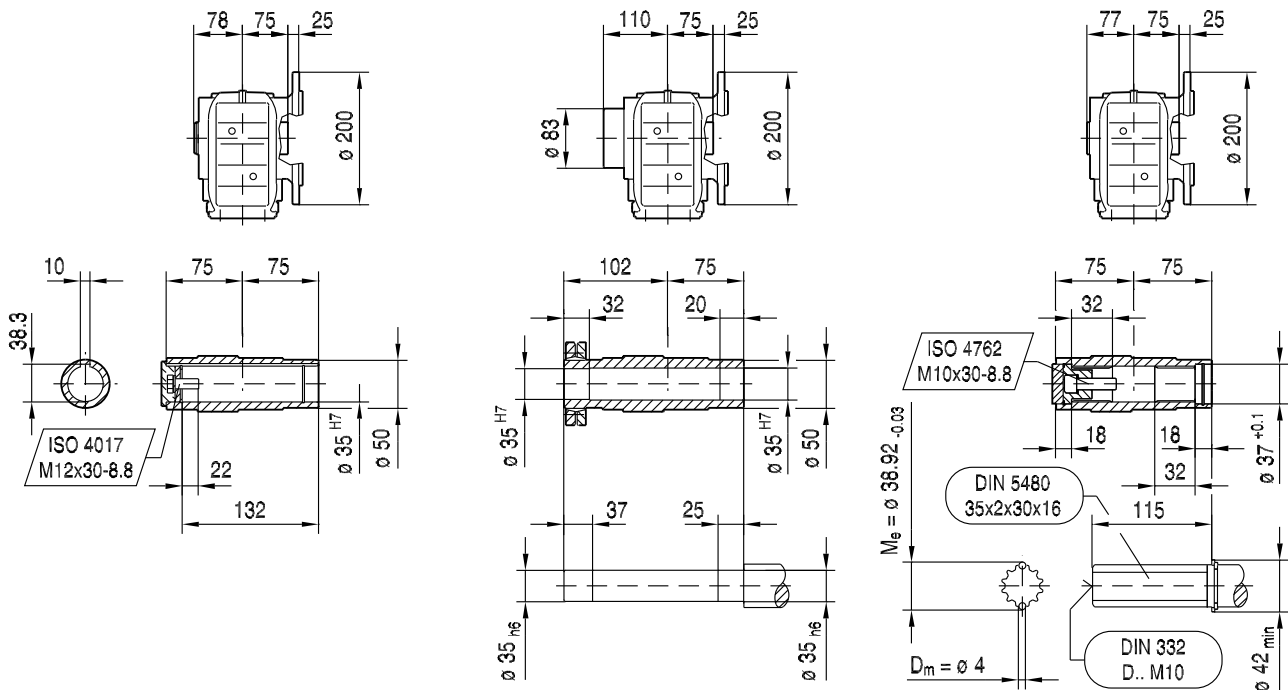
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**KA47B..****KH47B..**

KV47B..



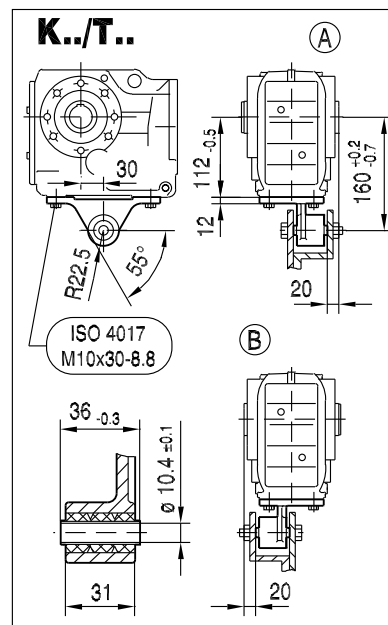
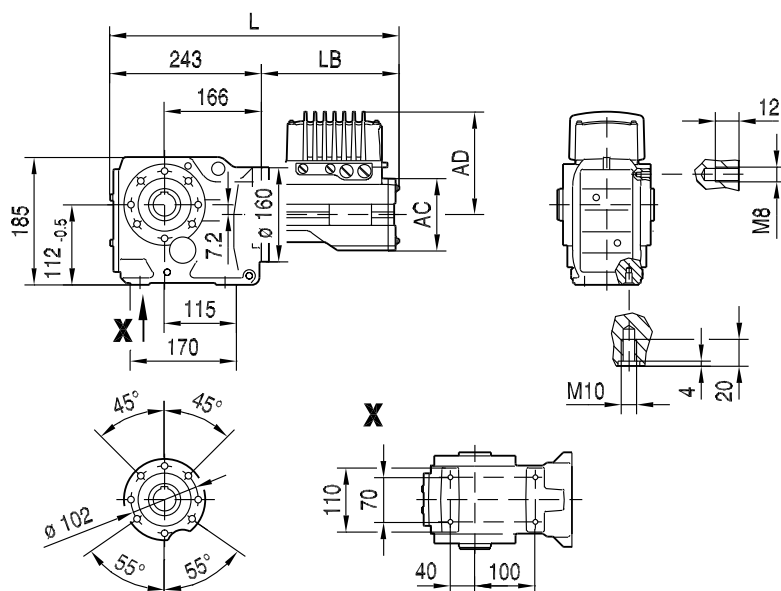
(→  265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	524	541						
LB	287	304						

**KF47..****33 007 00 12****KAF47..****KHF47..****KVF47..**

(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	530	547						
LB	287	304						

KA47..

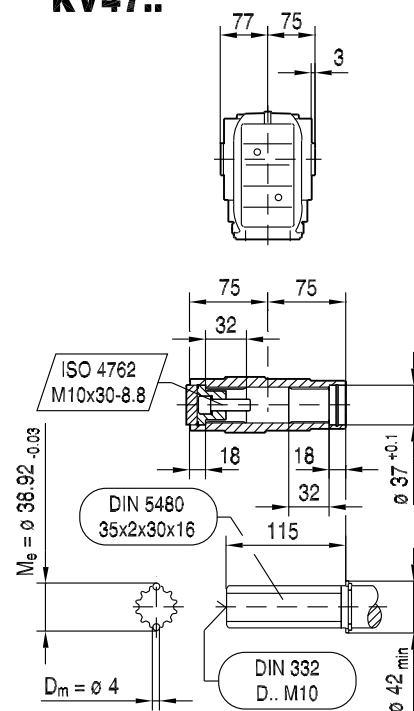
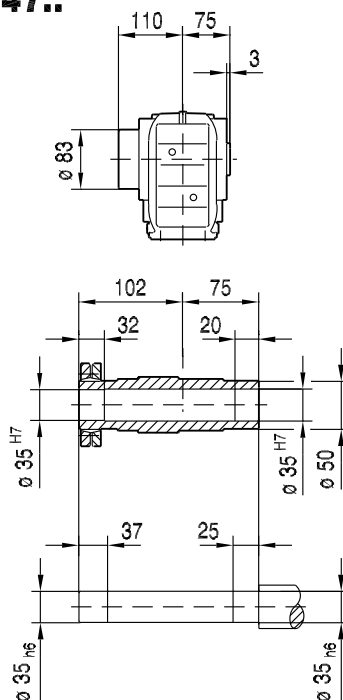
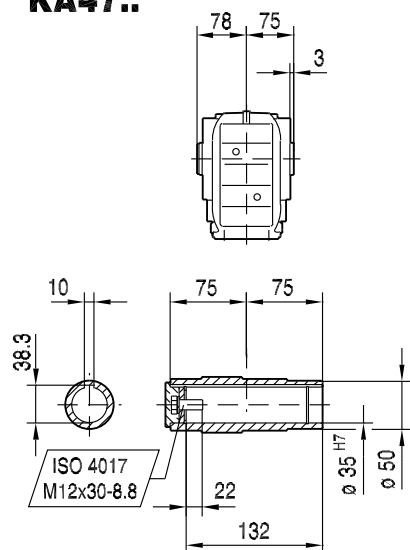
33 008 00 12



KA47..

KH47..

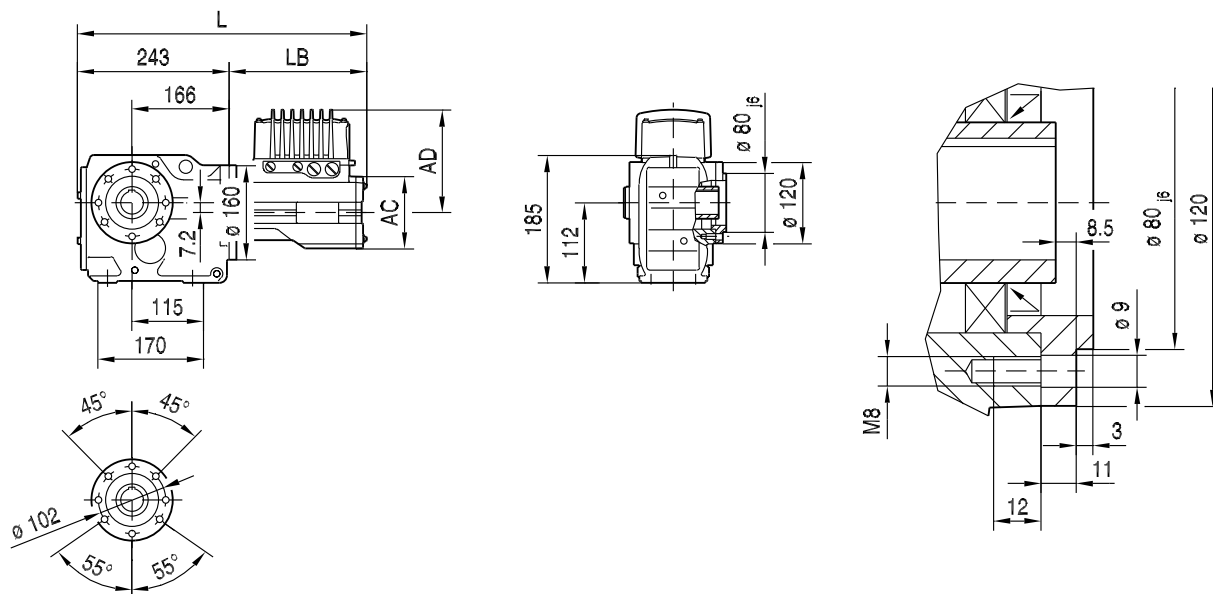
KV47..



(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	530	547						
LB	287	304						

KAZ47..

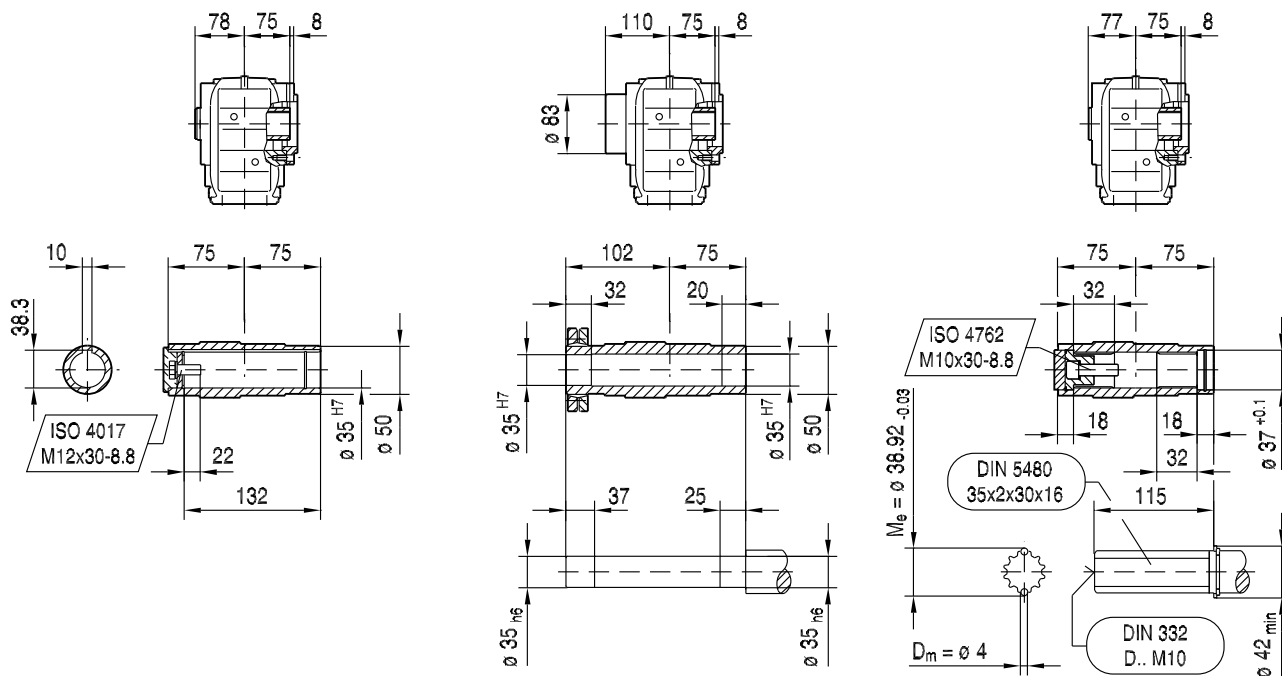
33 009 00 12



KAZ47..

KHZ47..

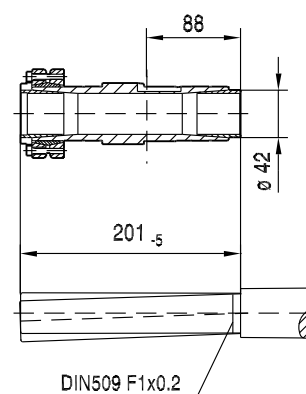
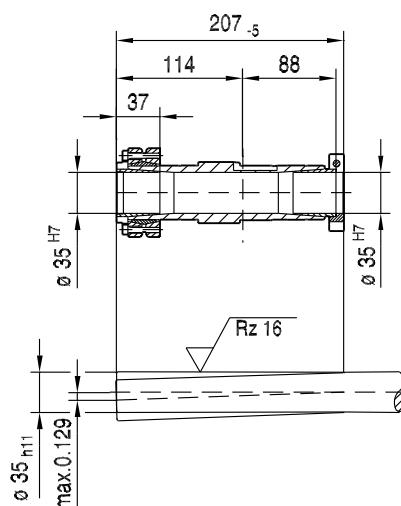
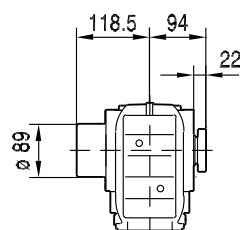
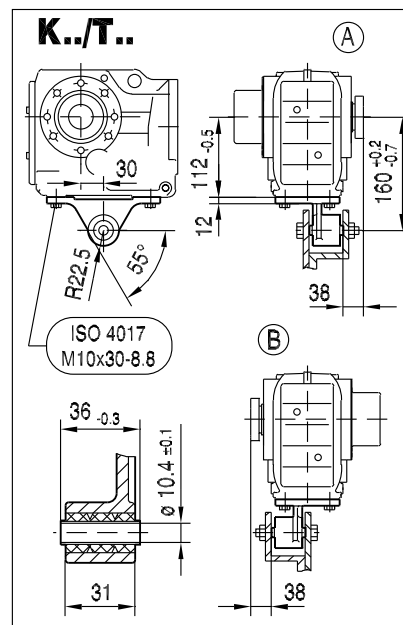
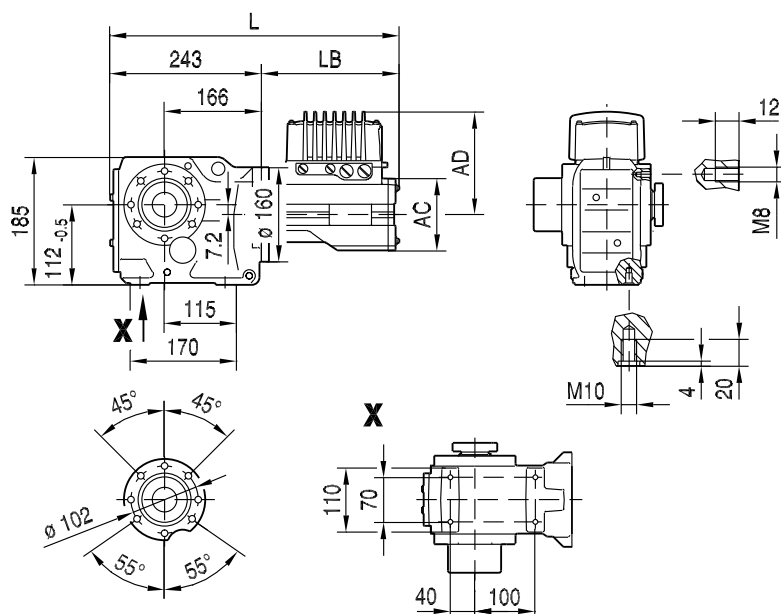
KVZ47..



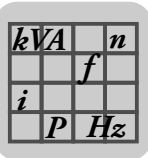
(→  265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	530	547						
LB	287	304						

KT47..

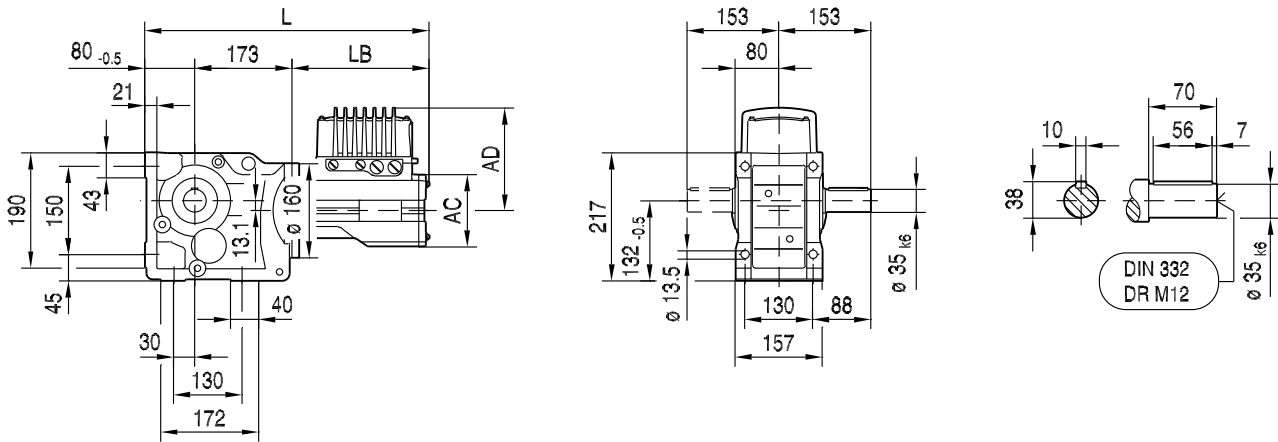
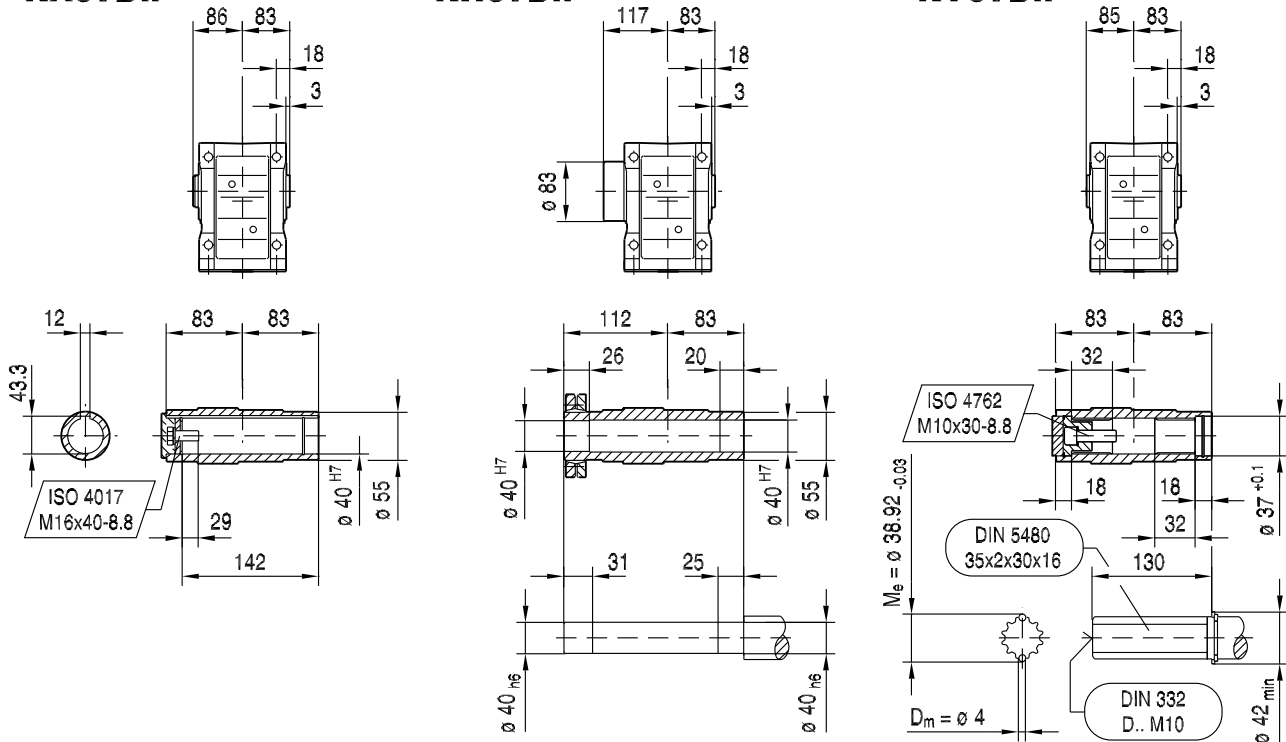
33 010 00 12



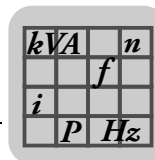
(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	530	547						
LB	287	304						

**K57..**

33 011 00 12

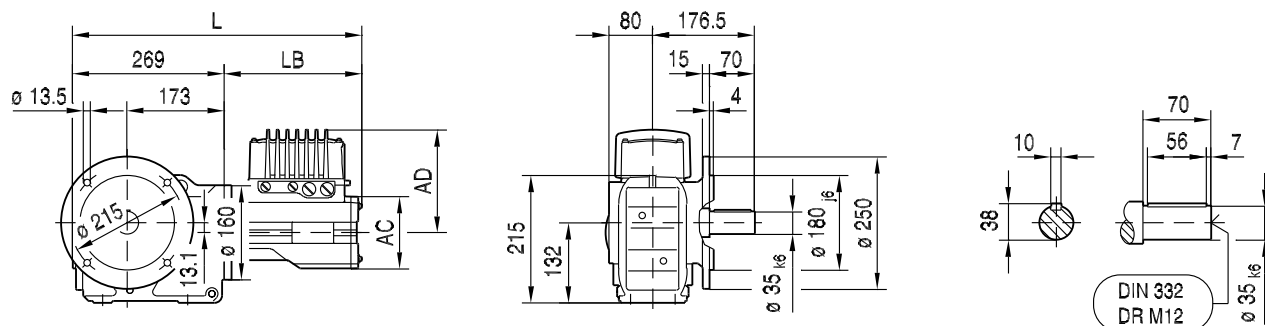
**KA57B..****KH57B..****KV57B..**

(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	540	557						
LB	287	304						



KF57..

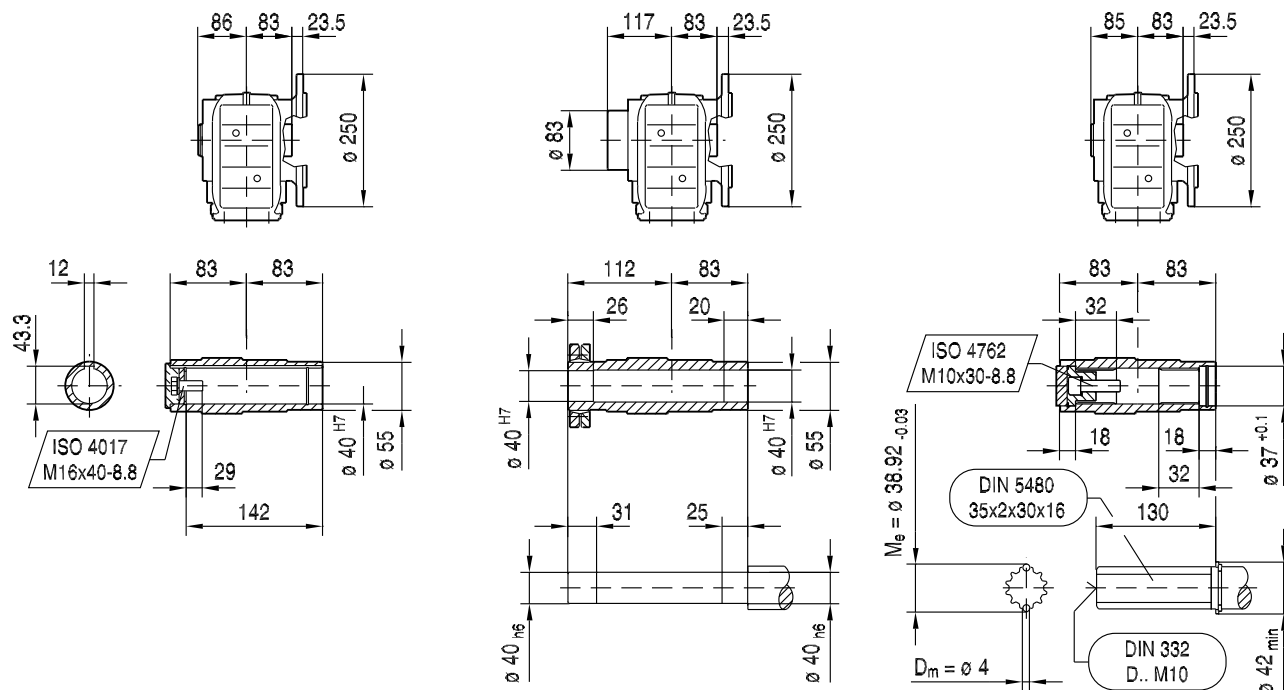
33 012 00 12



KAF57..

KHF57..

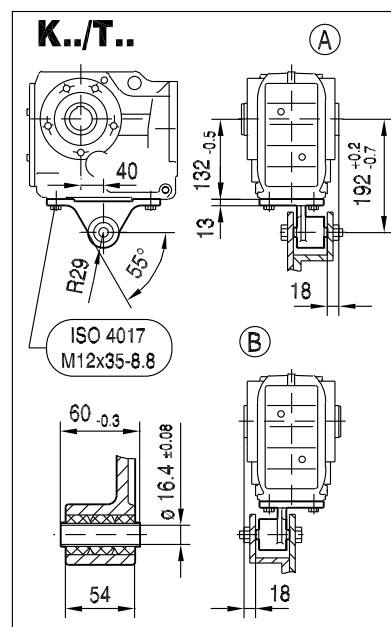
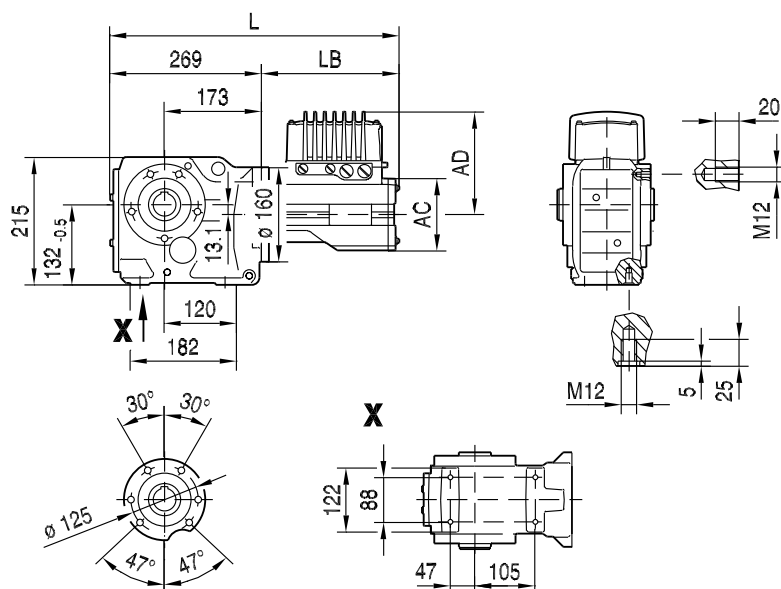
KVF57..



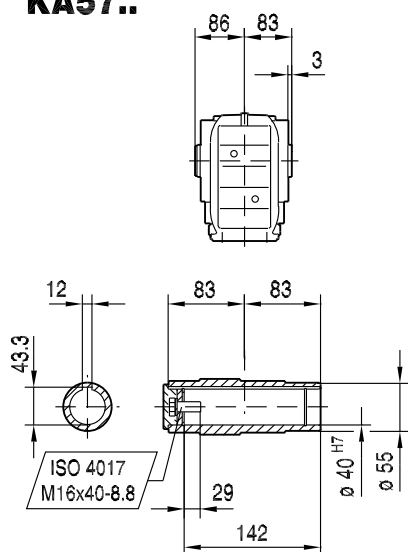
(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	556	573						
LB	287	304						

KA57..

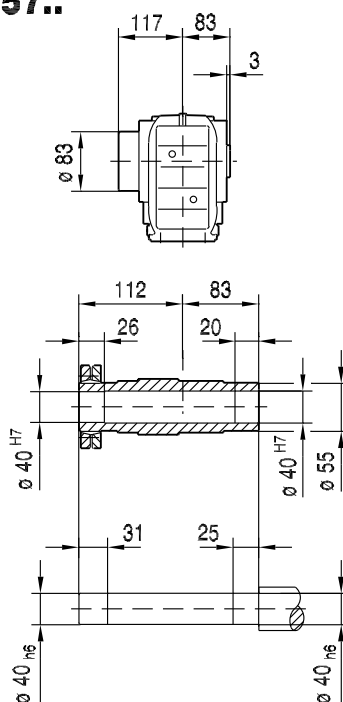
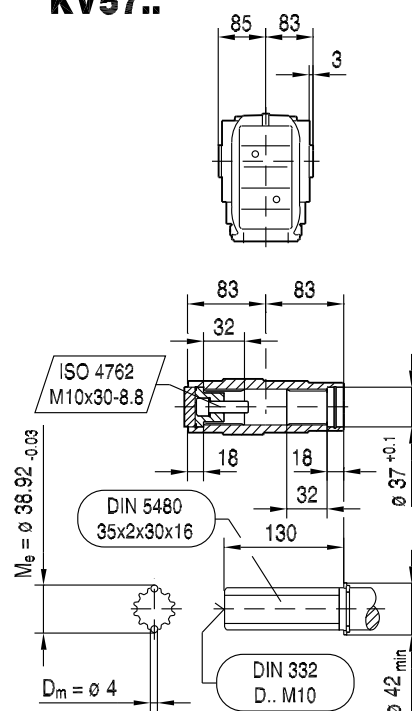
33 013 00 12



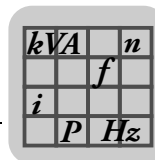
KA57..



KH57..

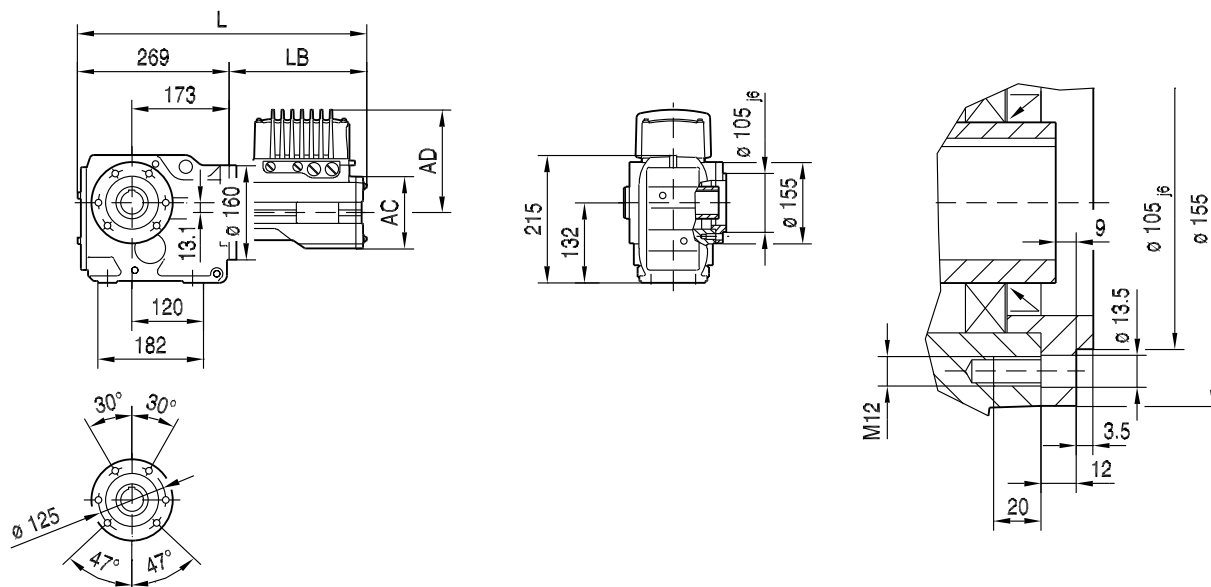
**KV57..**

(→  265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	556	573						
LB	287	304						



KAZ57..

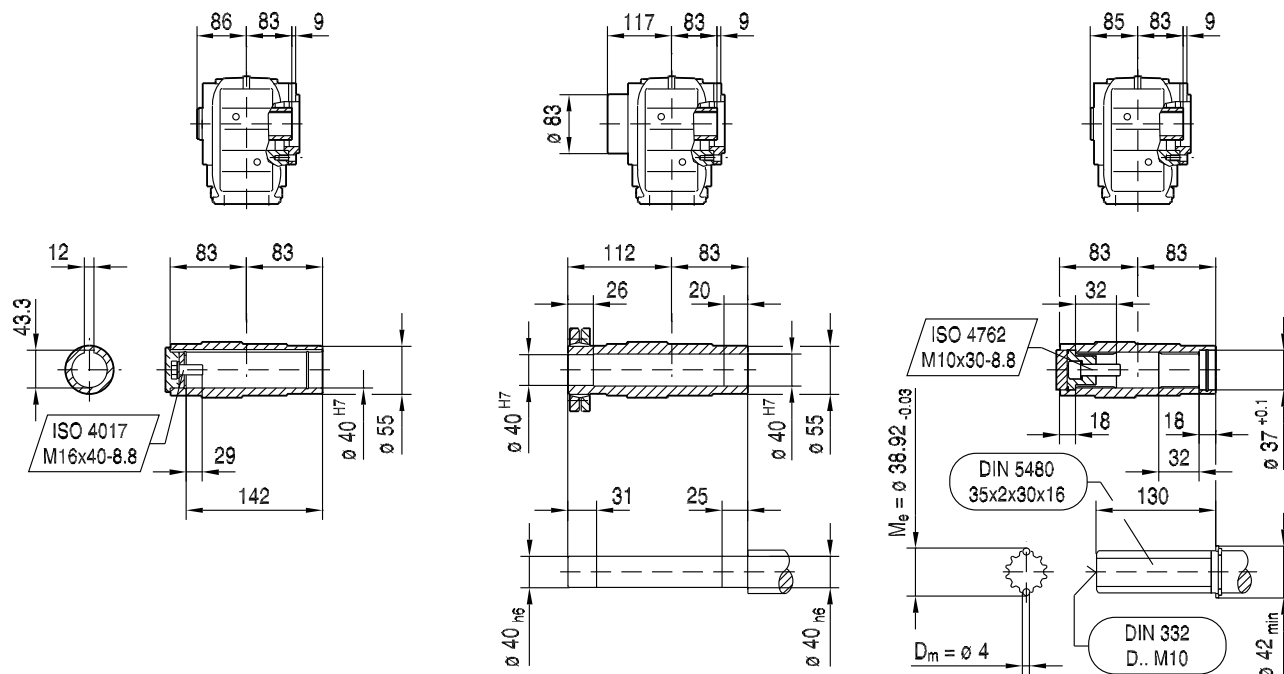
33 014 00 12



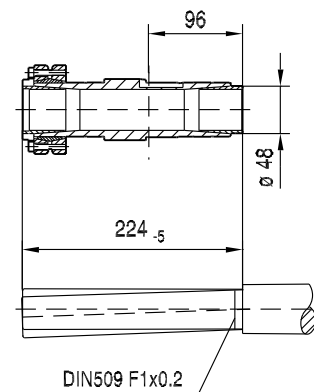
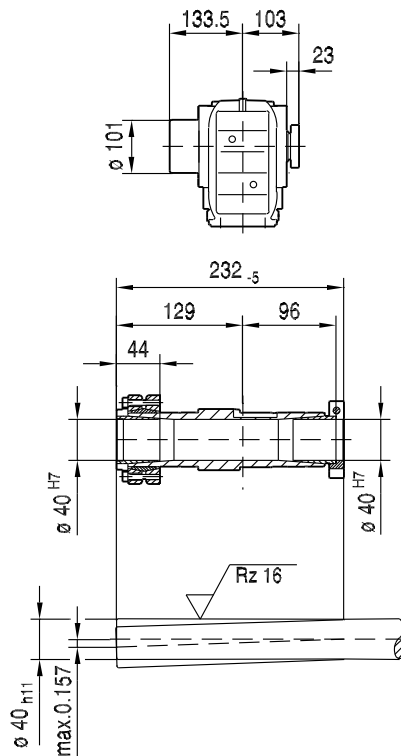
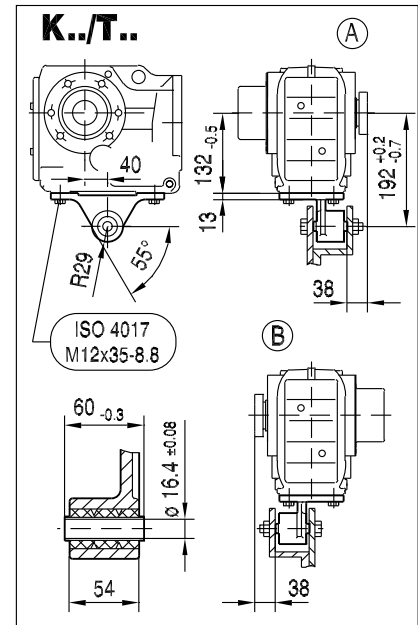
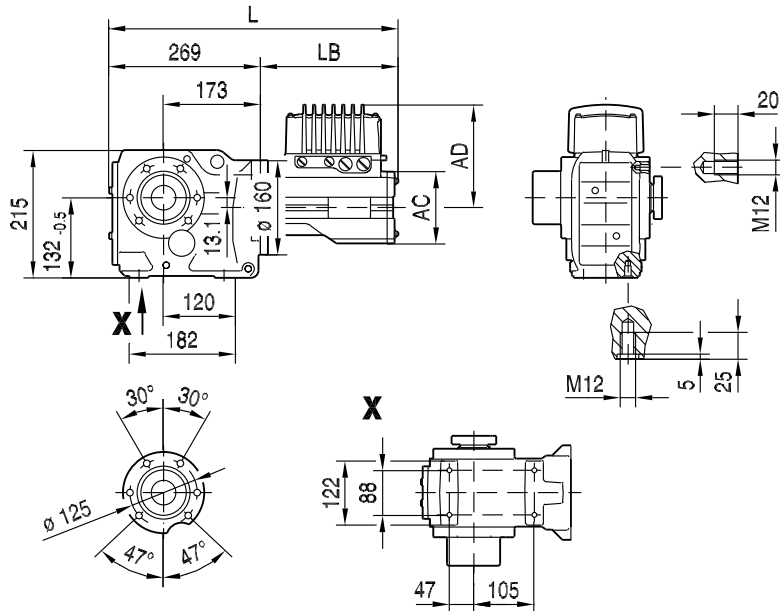
KAZ57..

KHZ57..

KVZ57..



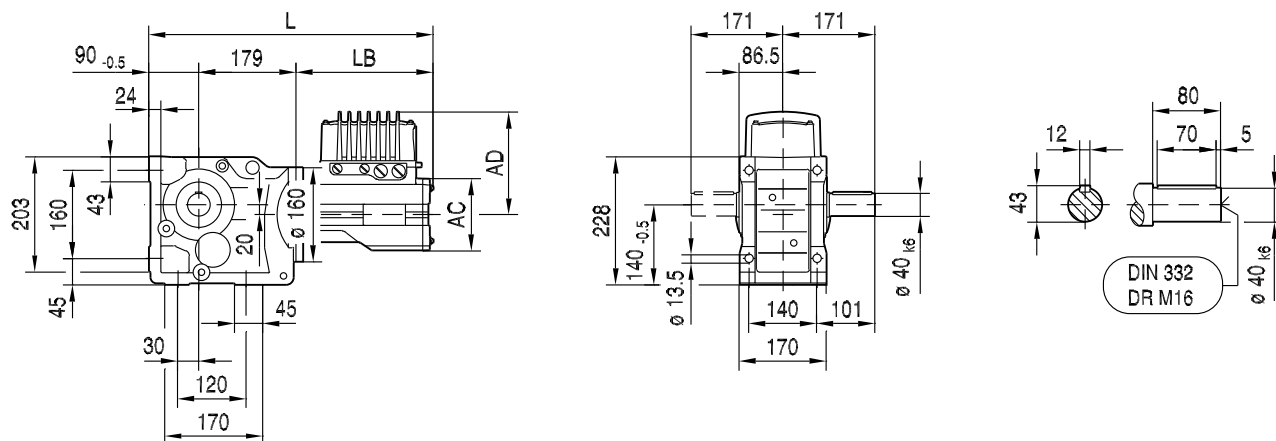
(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	556	573						
LB	287	304						

KT57..**33 015 00 12**

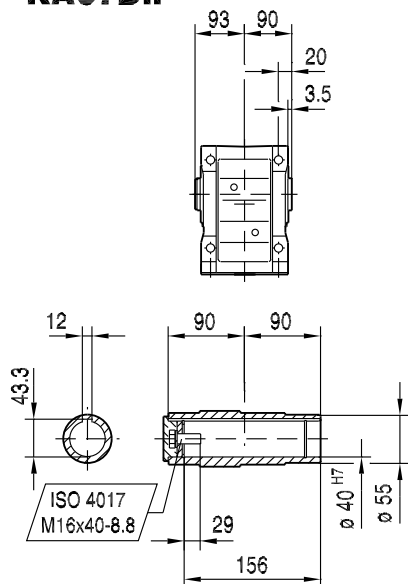
(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	556	573						
LB	287	304						

K67..

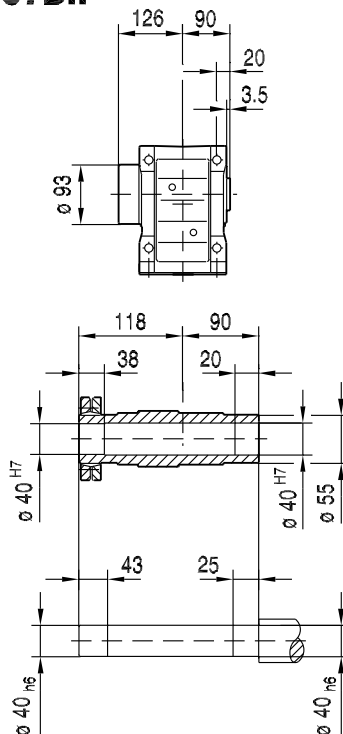
33 016 00 12



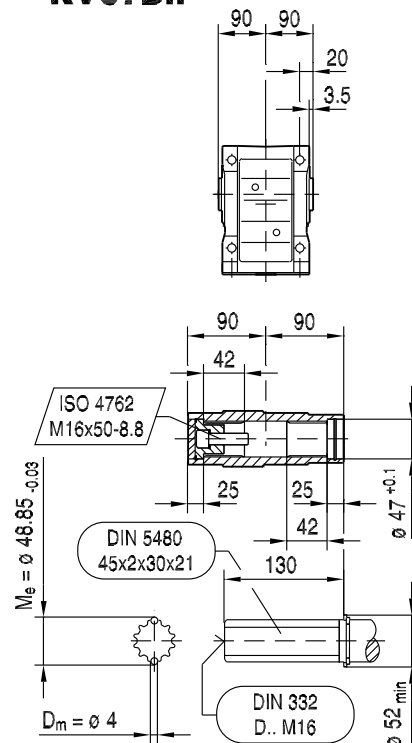
KA67B..



KH67B..



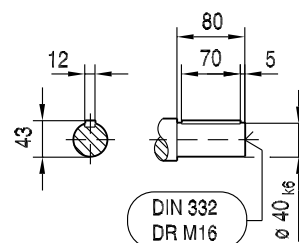
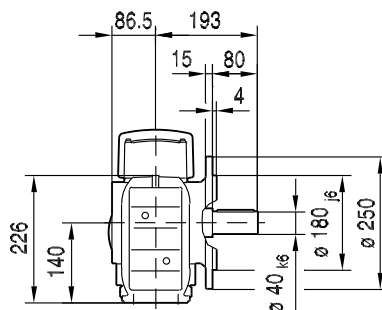
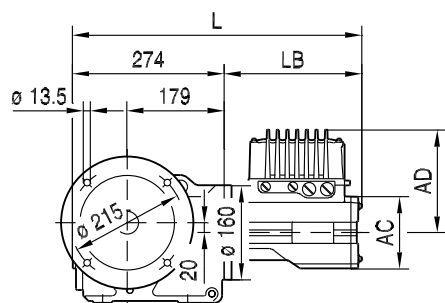
KV67B..



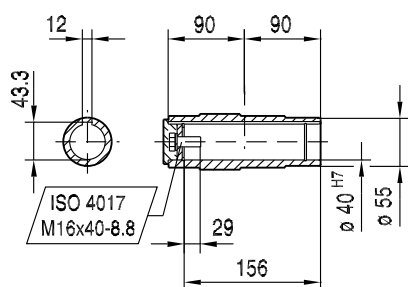
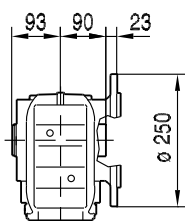
(→  265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	556	573						
LB	287	304						

KF67..

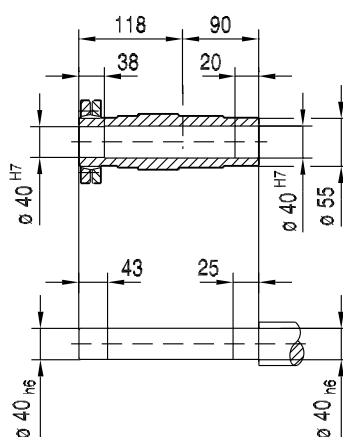
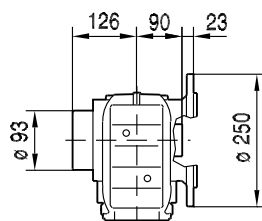
33 017 00 12



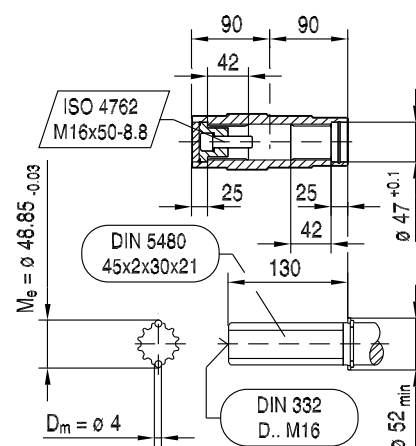
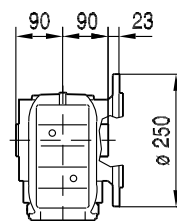
KAF67..



KHF67..



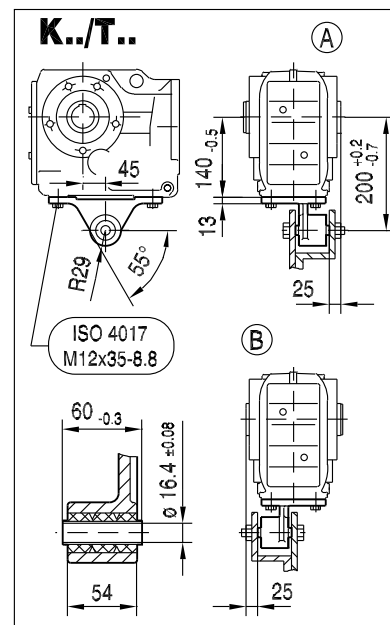
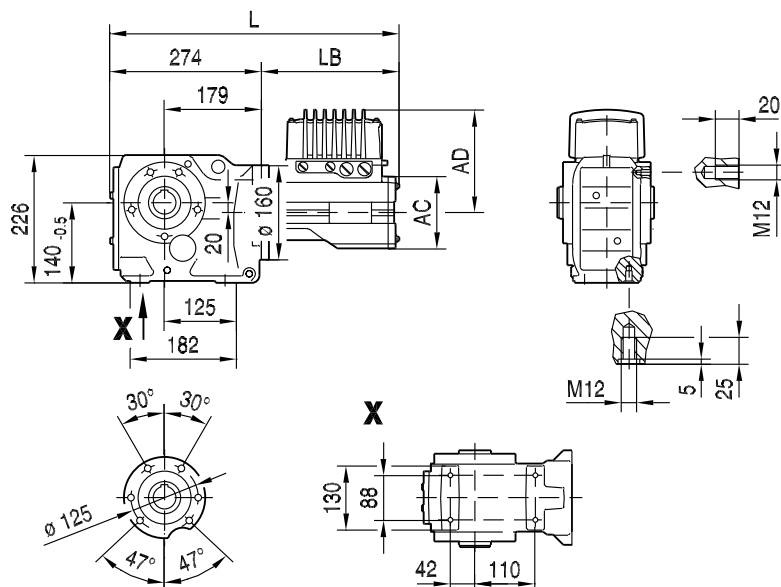
KVF67..



(→  265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	561	578						
LB	287	304						

KA67..

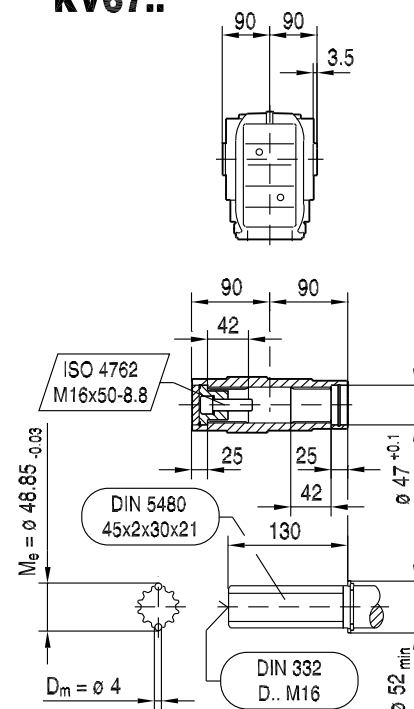
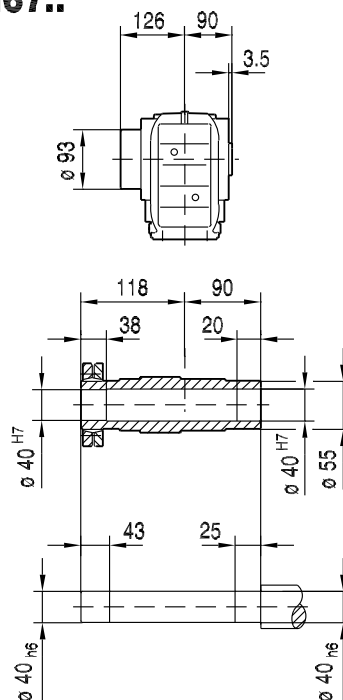
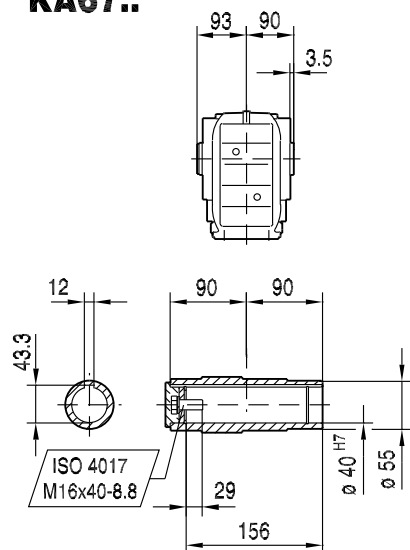
33 018 00 12



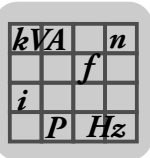
KA67..

KH67..

KV67..

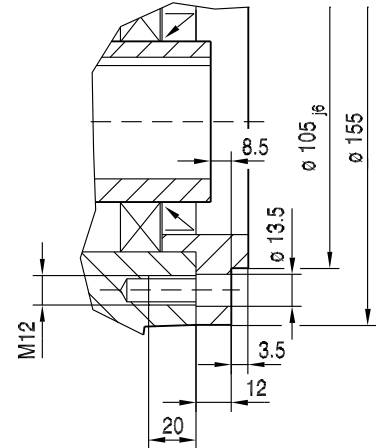
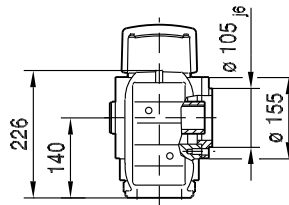
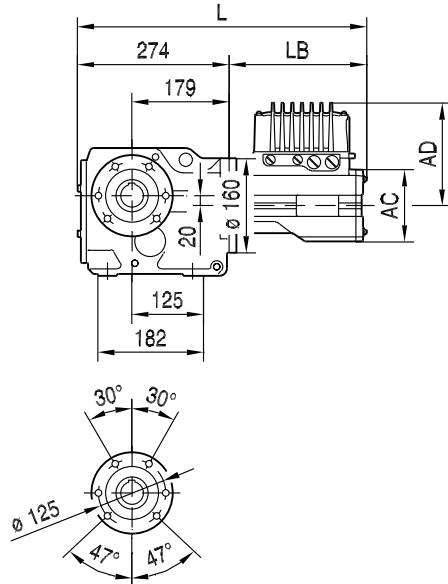


(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	561	578						
LB	287	304						



KAZ67..

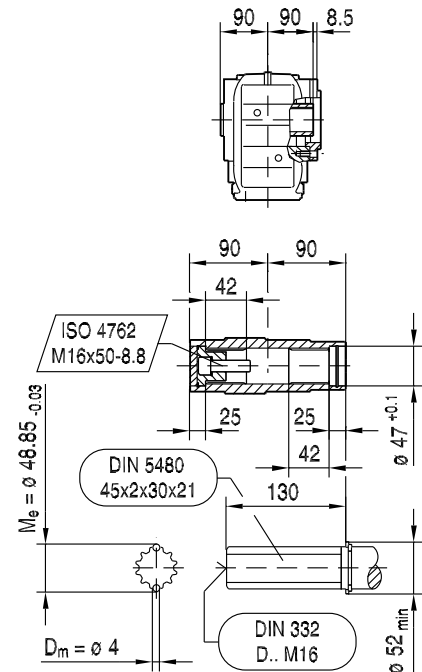
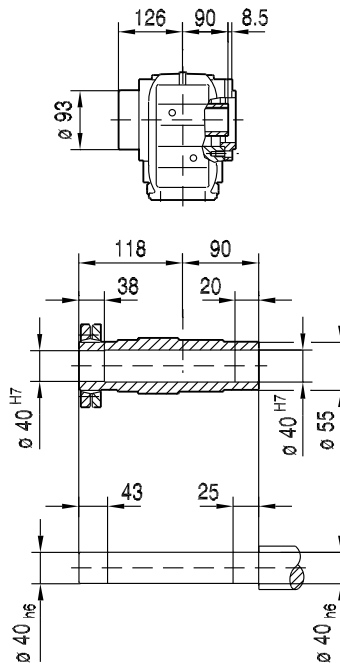
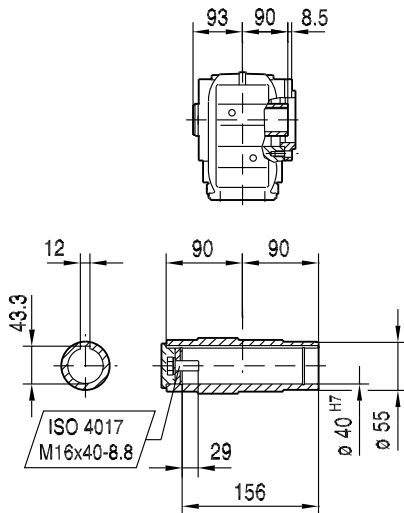
33 019 00 12



KAZ67..

KHZ67..

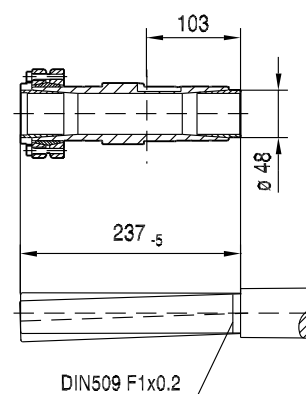
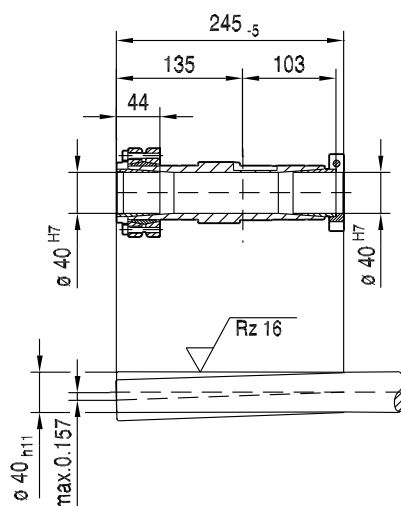
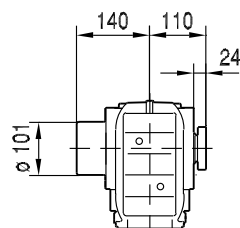
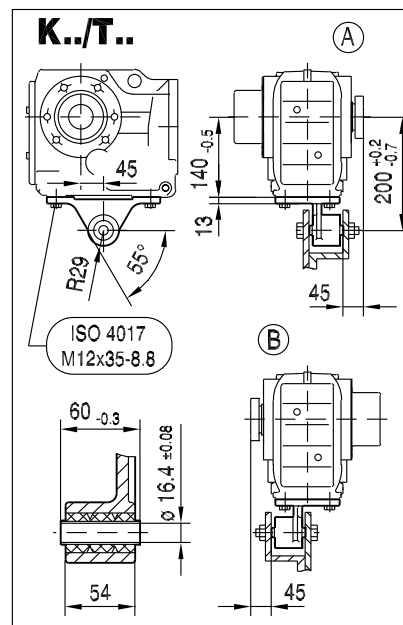
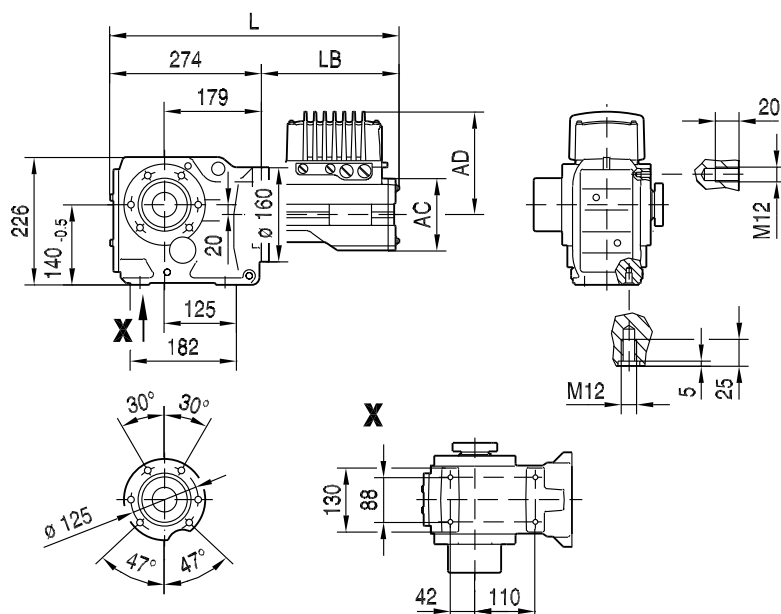
KVZ67..



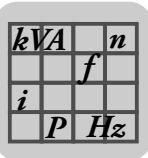
(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	561	578						
LB	287	304						

KT67..

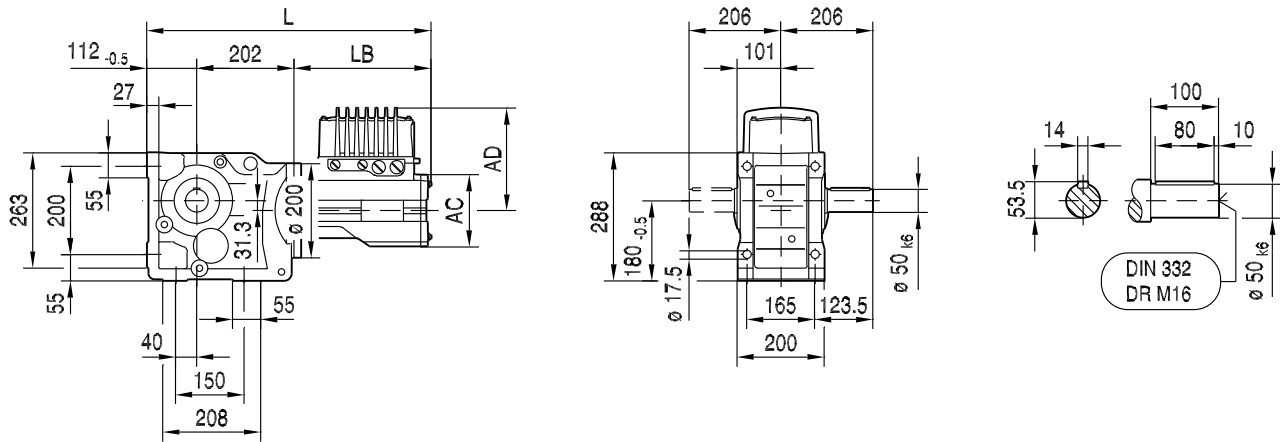
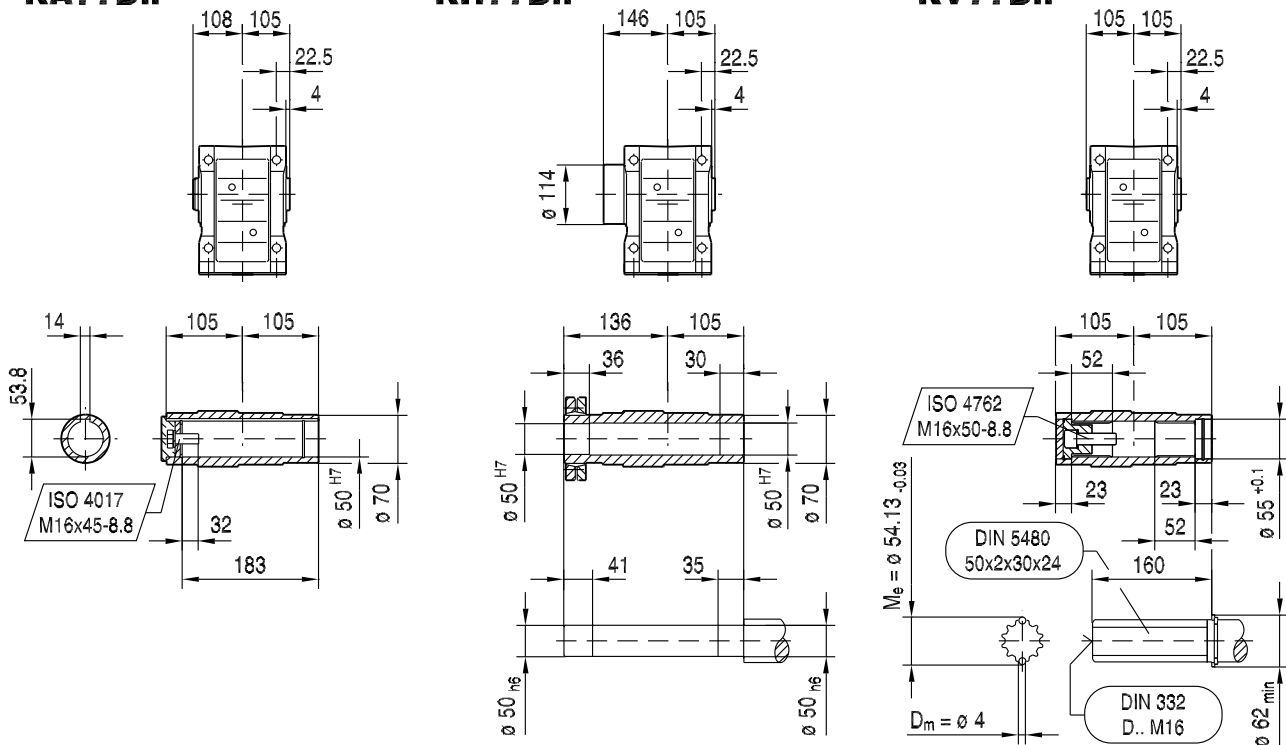
33 020 00 12



(→  265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	561	578						
LB	287	304						

**K77..**

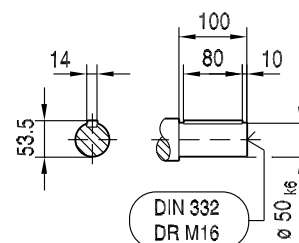
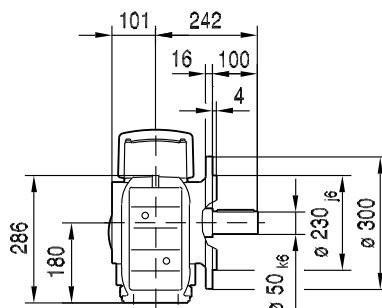
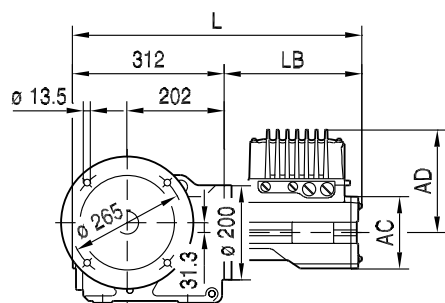
33 021 00 12

**KA77B..****KH77B..****KV77B..**

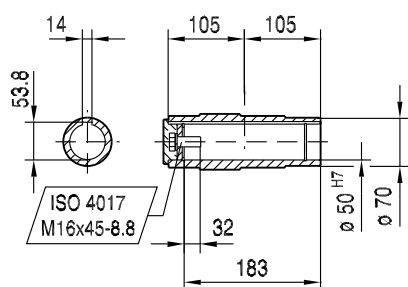
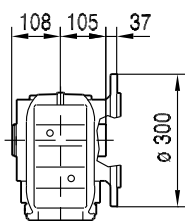
(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	595	610						
LB	281	296						

KF77..

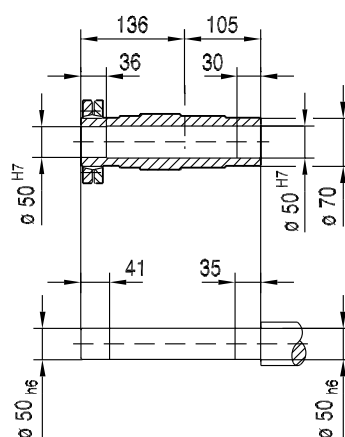
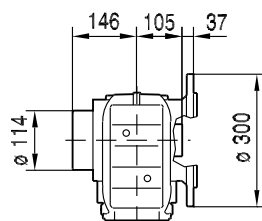
33 022 00 12



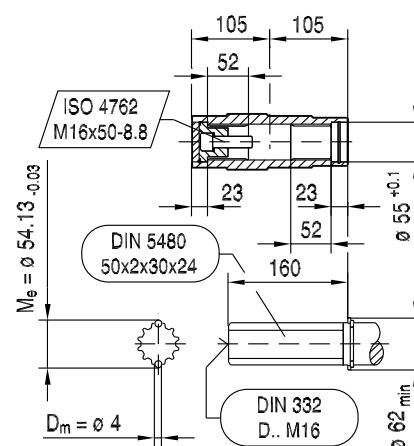
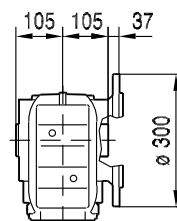
KAF77..



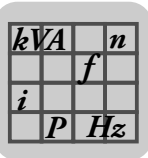
KHF77..



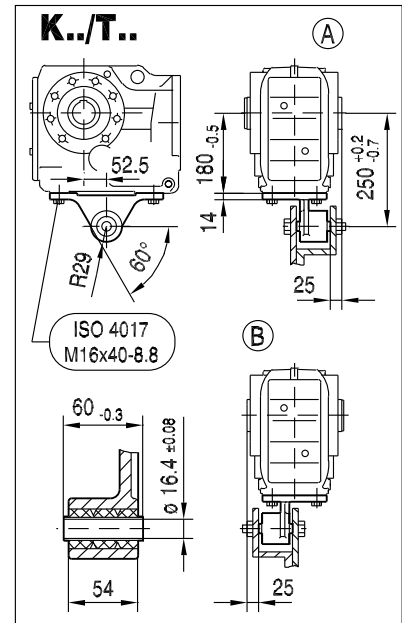
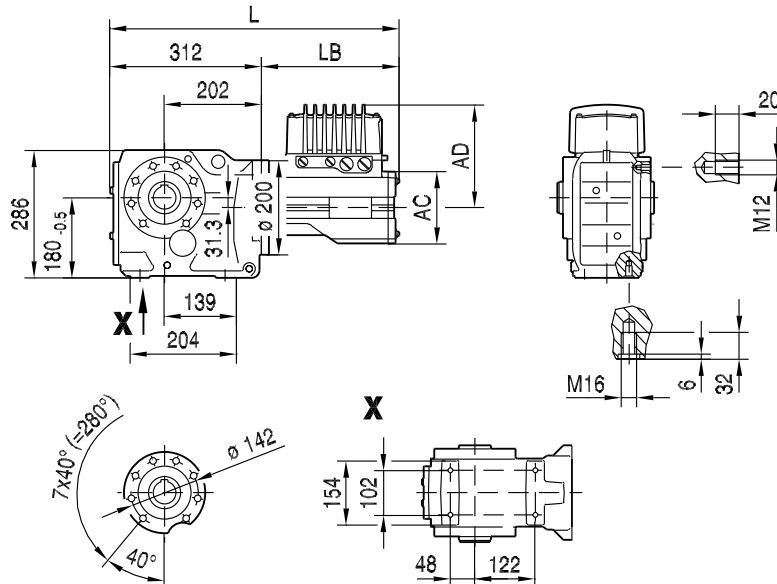
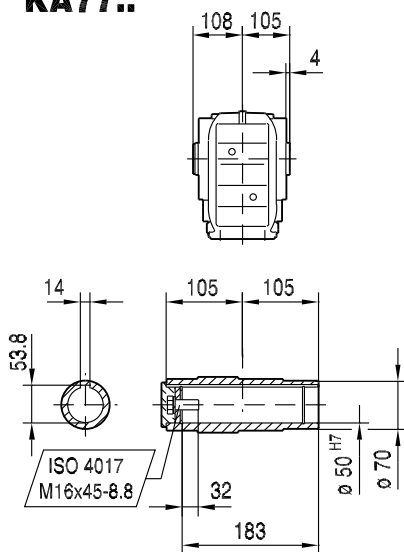
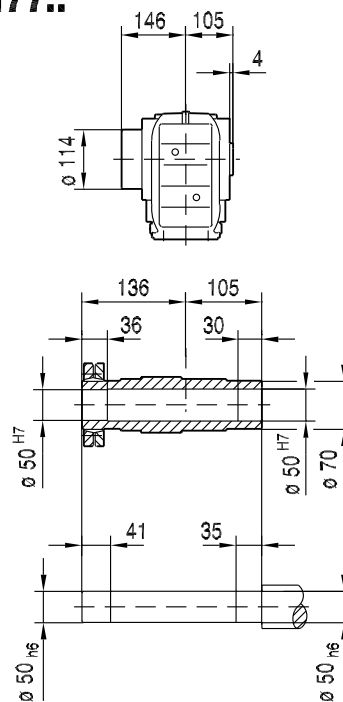
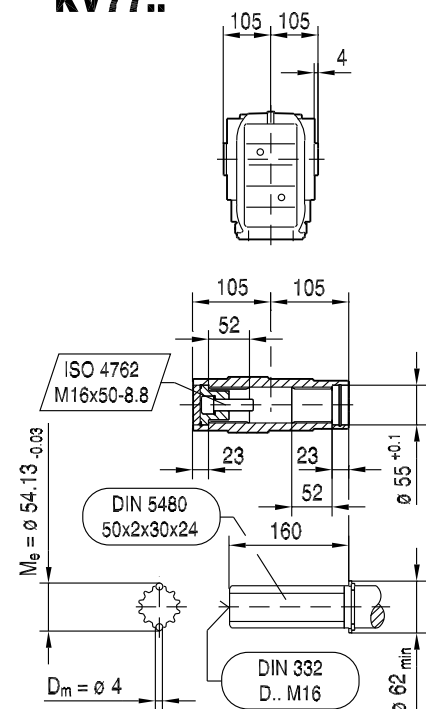
KVF77..



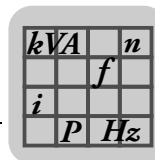
(→  265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	593	608						
LB	281	296						

**KA77..**

33 023 00 12

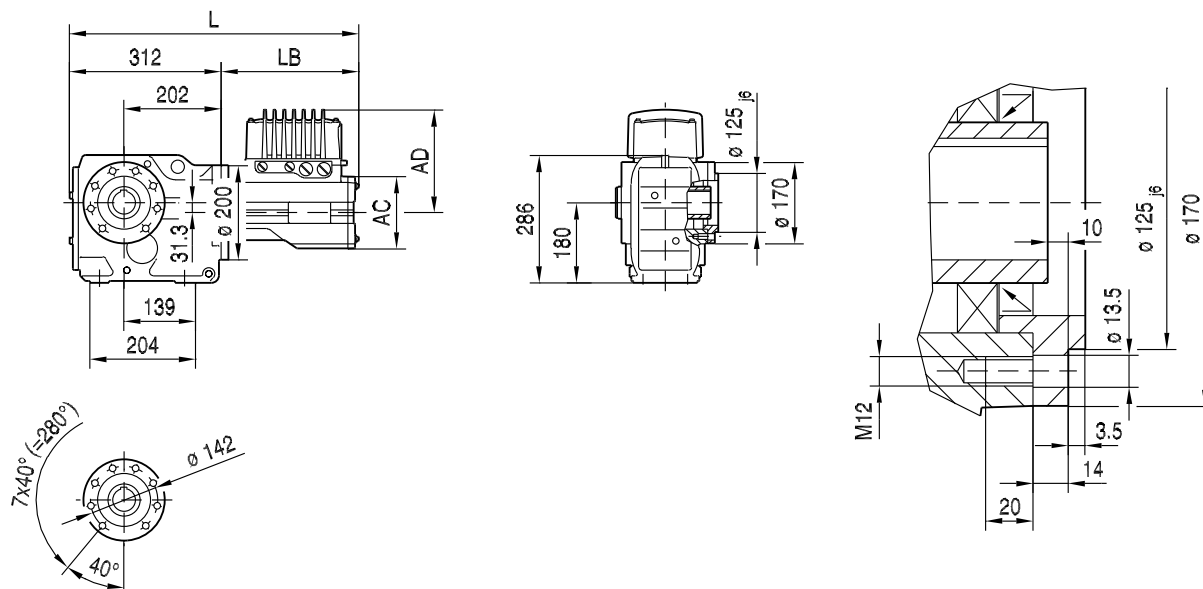
**KA77..****KH77..****KV77..**

(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	593	608						
LB	281	296						



KAZ77..

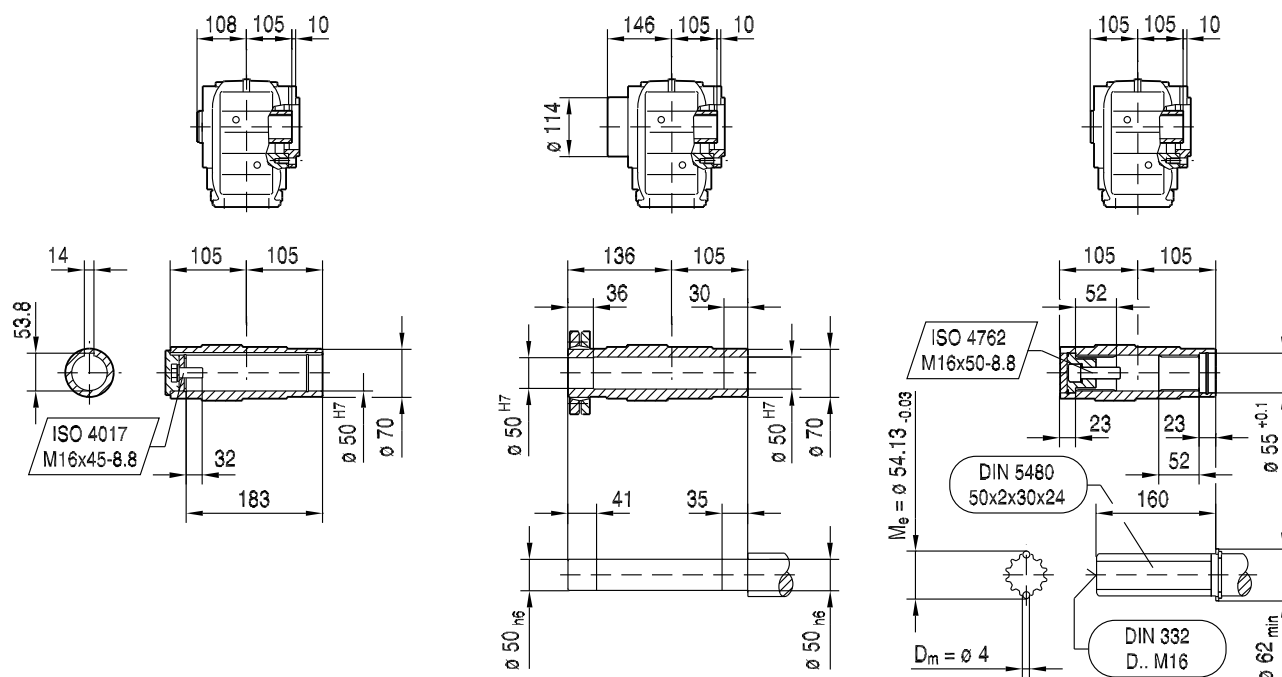
33 024 00 12



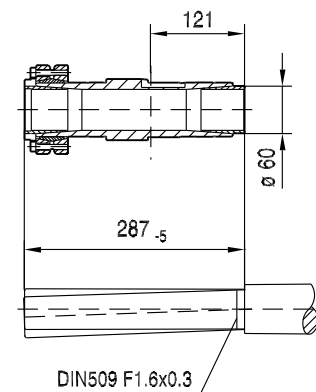
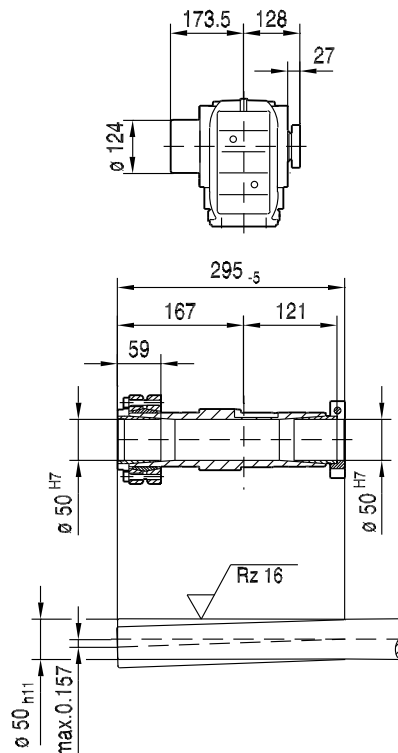
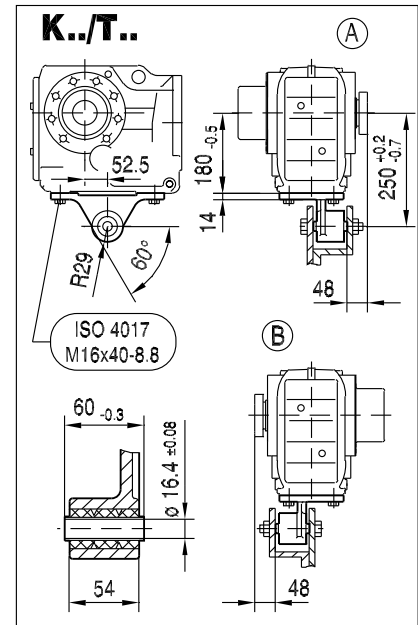
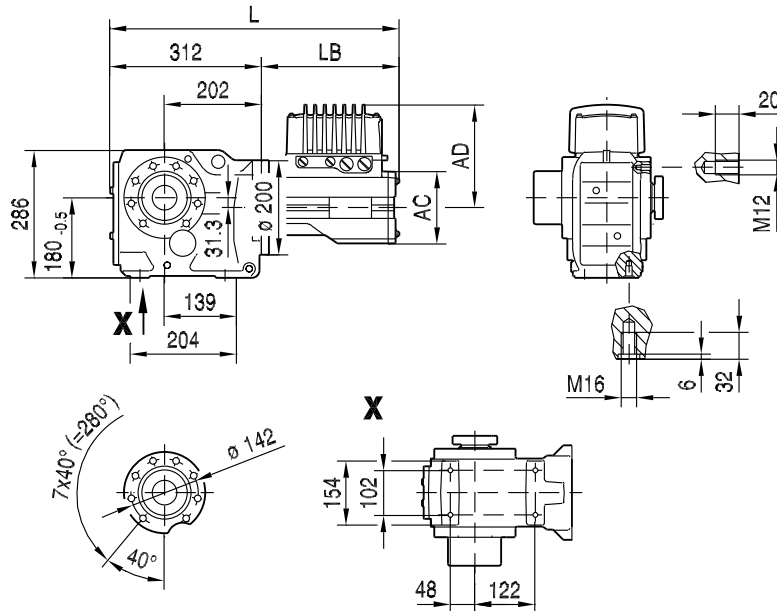
KAZ77..

KHZ77..

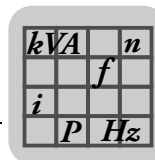
KVZ77..



(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	593	608						
LB	281	296						

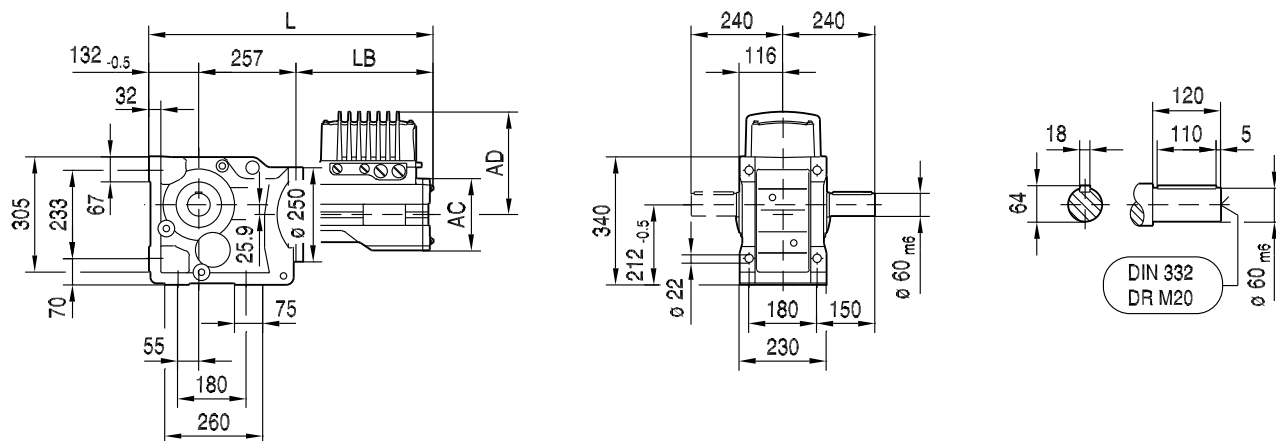
KT77..**33 025 00 12**

(→ 265)	DRC1	DRC2						
AC	128	154						
AD	185	218						
L	593	608						
LB	281	296						



K87..

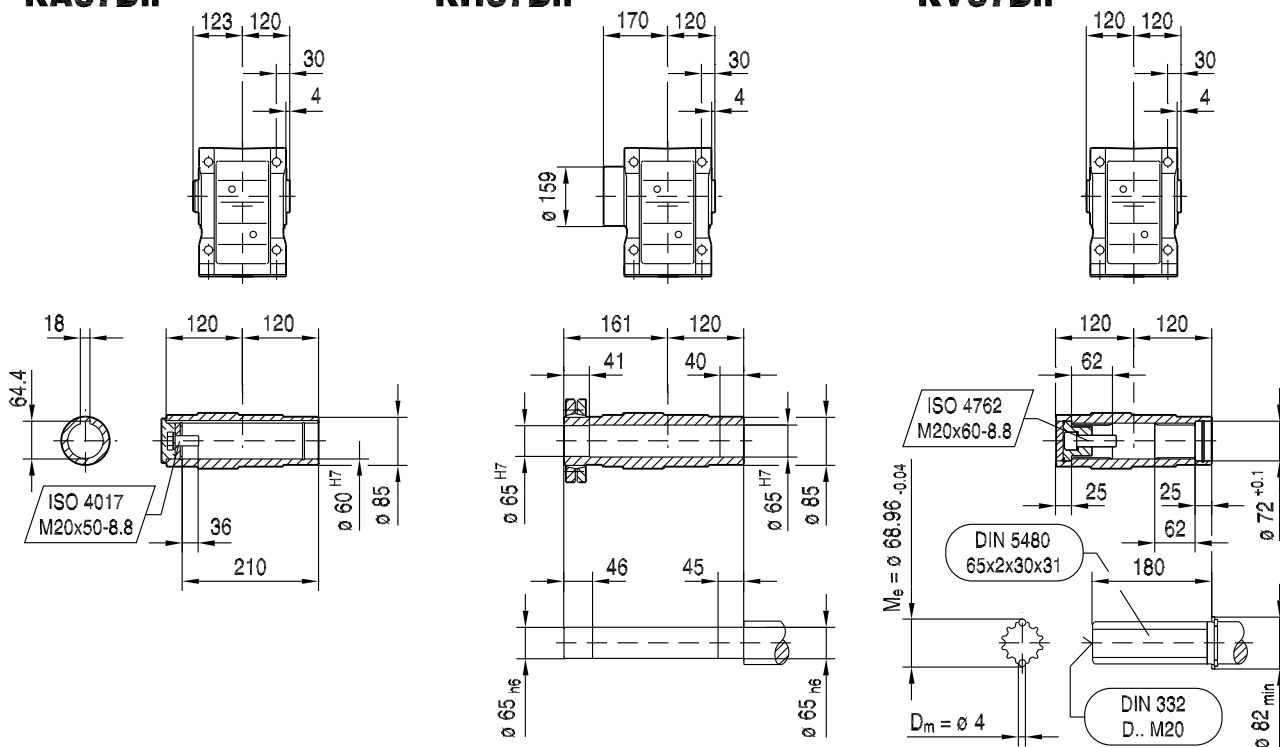
33 026 00 12



KA87B..

KH87B..

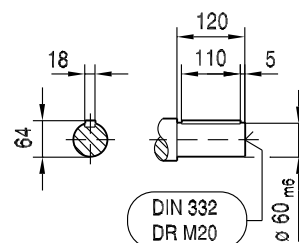
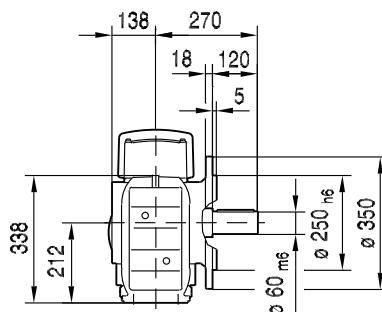
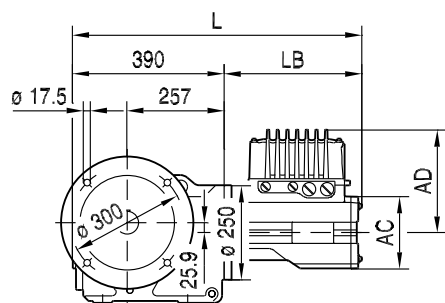
KV87B..



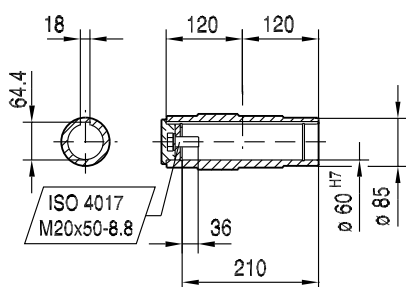
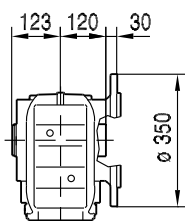
(→ 265)	DRC2							
AC	154							
AD	218							
L	681							
LB	292							

KF87..

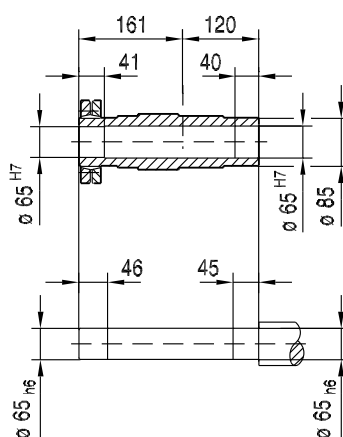
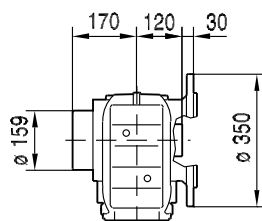
33 027 00 12



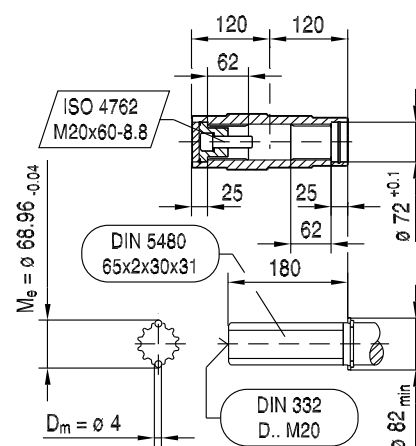
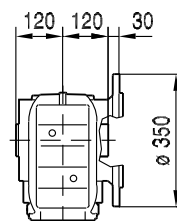
KAF87..



KHF87..



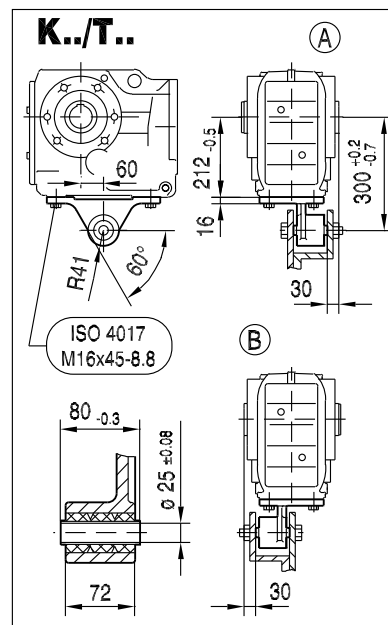
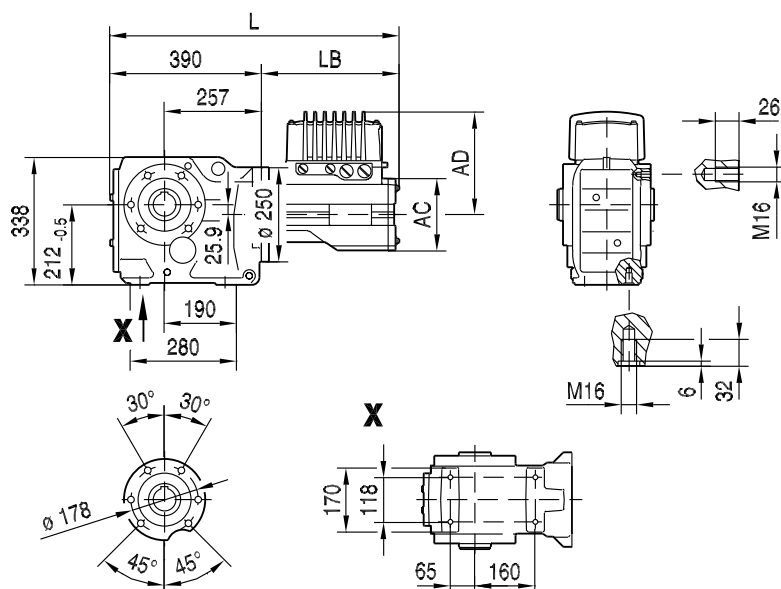
KVF87..



(→  265)	DRC2							
AC	154							
AD	218							
L	682							
LB	292							

KA87..

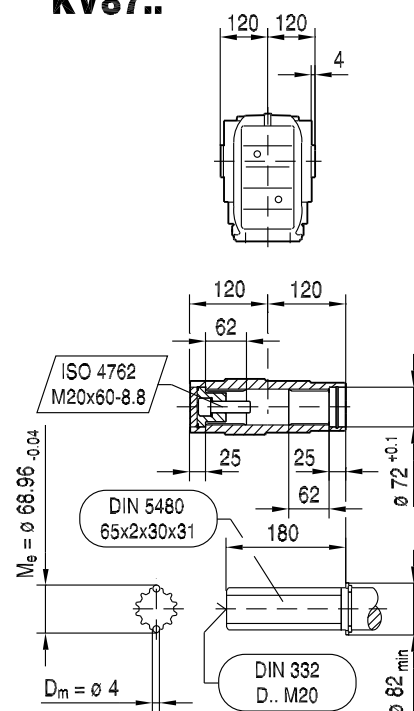
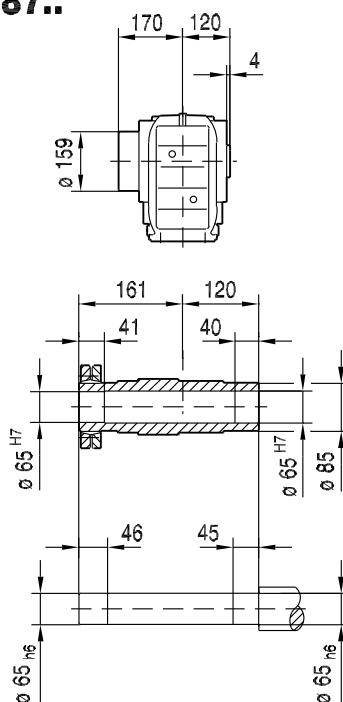
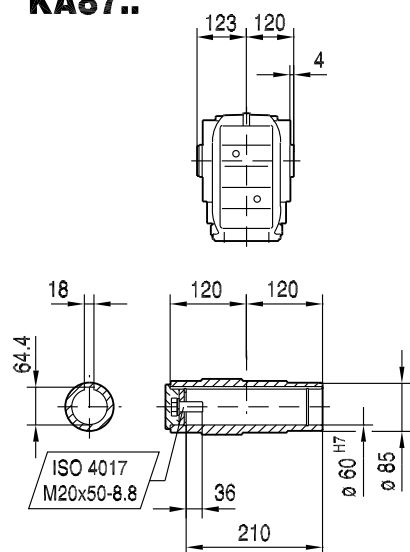
33 028 00 12



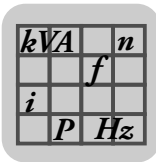
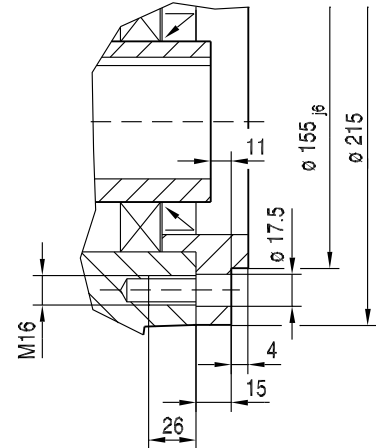
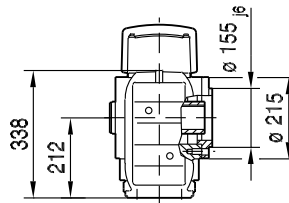
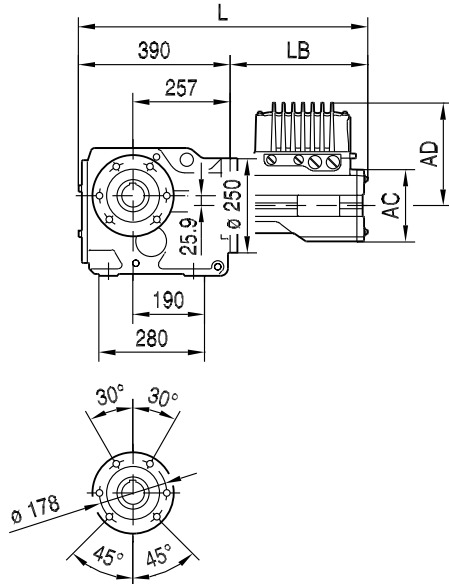
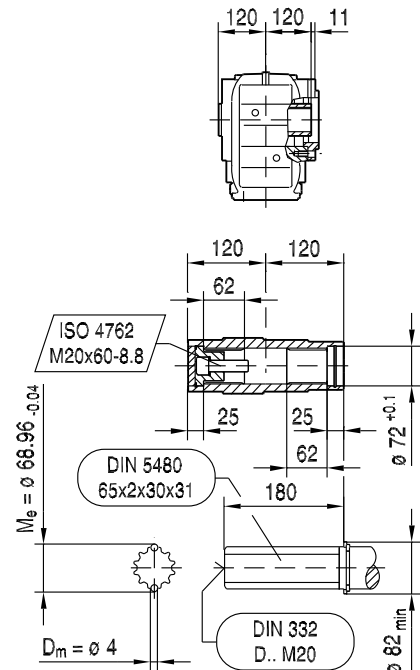
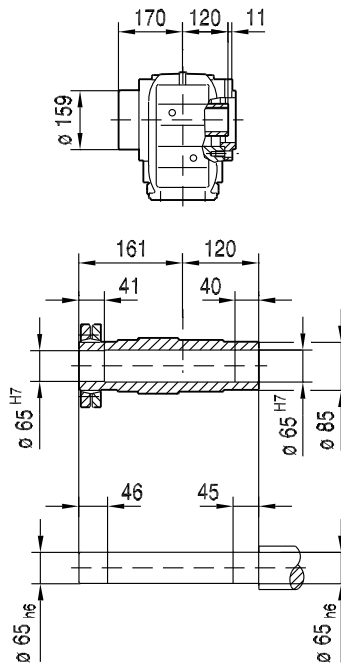
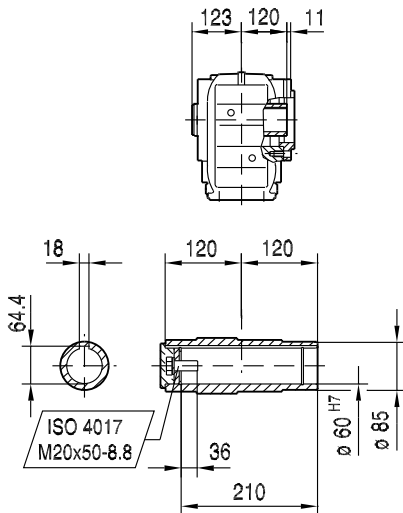
KA87..

KH87..

KV87..



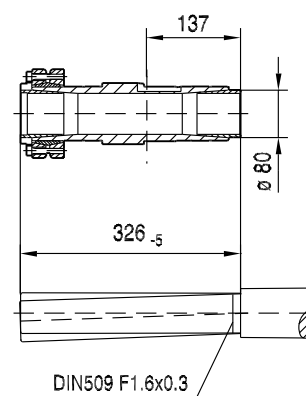
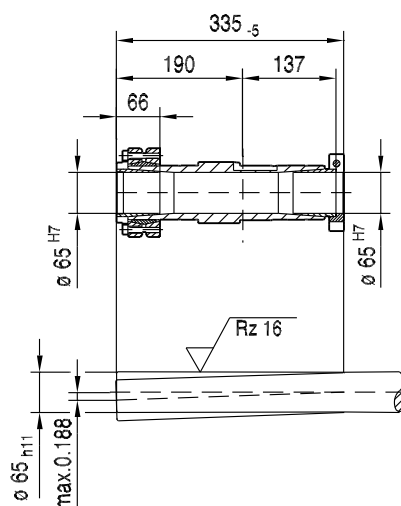
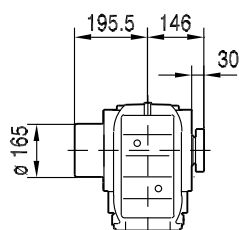
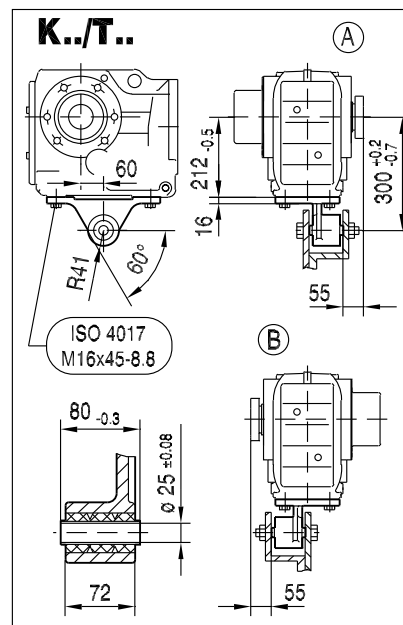
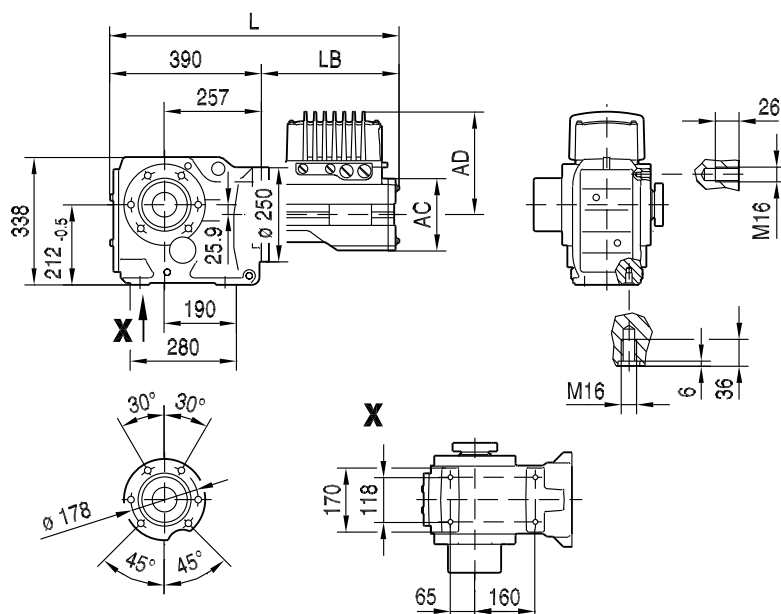
(→ 265)	DRC2								
AC	154								
AD	218								
L	682								
LB	292								

**KAZ87..****33 029 00 12****KAZ87..****KHZ87..****KVZ87..**

(→ 265)	DRC2							
AC	154							
AD	218							
L	682							
LB	292							

KT87..

33 030 00 12



(→  265)	DRC2							
AC	154							
AD	218							
L	682							
LB	292							