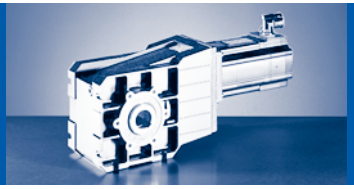
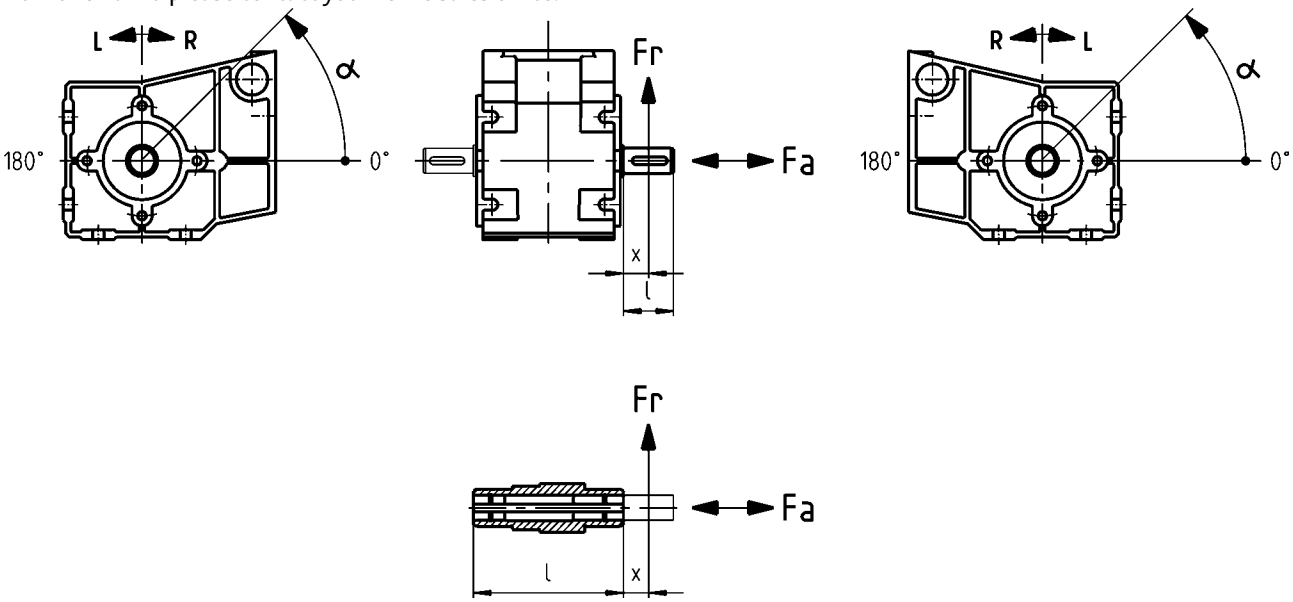


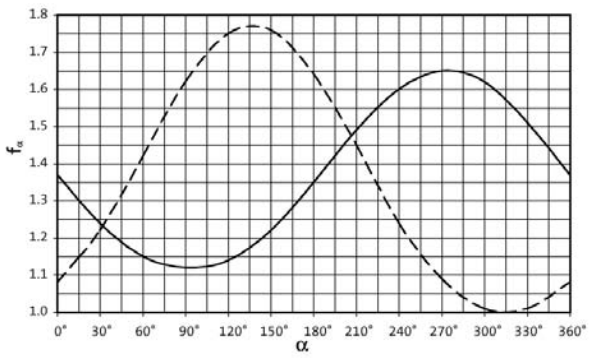
Permissible radial force
$Fr_{zul} = \min (f_w \times f_\alpha \times Fr_{Tab} ; f_w \times Fr_{max})$

Permissible axial force
$Fa_{zul} = Fa_{Tab}$ at Fr = 0

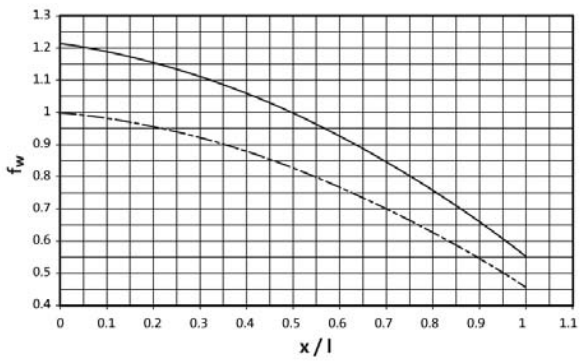
At Fr **and** Fa ≠ 0 please contact your Lenze sales office.



Effective direction factor f_α at output shaft



Additional load factor f_w at output shaft

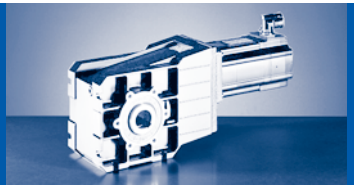


——— Direction of rotation R
— — — Direction of rotation L

——— Solid shaft (V□□)
— · — Hollow shaft (H□□)

	Solid shaft without flange (V□R) Application of force Fr: centre of shaft journal (x = l/2) Fa_{Tab} only valid for Fr = 0							
	GKR03-2		GKR04-2		GKR05-2		GKR06-2	
n_2 [r/min]	Fr_{Tab} [N]	Fa_{Tab} [N]	Fr_{Tab} [N]	Fa_{Tab} [N]	Fr_{Tab} [N]	Fa_{Tab} [N]	Fr_{Tab} [N]	Fa_{Tab} [N]
1000	900	600	1000	700	1500	1100	2000	1500
630	1200	800	1800	1000	2350	1520	2800	2000
400	1800	1000	2100	1275	3000	1900	4000	2500
250	2100	1100	2500	1500	3600	2200	4200	2600
160	2400	1250	2700	1650	4500	2500	4500	2750
100	2800	1400	3000	1800	5000	3100	5600	3500
63	3000	1400	3000	1800	6000	3700	7300	4500
40	3000	1400	3000	1800	6500	3900	8600	5000
25	3000	1400	3000	1800	6500	3900	9000	5000
≤ 16	3000	1400	3000	1800	6500	3900	9000	5000
Fr_{max}	3000	-	3000	-	6500	-	9000	-

	Solid shaft with flange (V□K) Application of force Fr: centre of shaft journal (x = l/2) Fa_{Tab} only valid for Fr = 0							
	GKR03-2		GKR04-2		GKR05-2		GKR06-2	
n_2 [r/min]	Fr_{Tab} [N]	Fa_{Tab} [N]	Fr_{Tab} [N]	Fa_{Tab} [N]	Fr_{Tab} [N]	Fa_{Tab} [N]	Fr_{Tab} [N]	Fa_{Tab} [N]
1000	900	600	1000	700	2400	1100	3000	1500
630	1200	800	1800	1000	3600	1500	4000	2000
400	1800	1000	2100	1275	5200	1900	5500	2500
250	2100	1100	2500	1500	6000	2200	6200	2600
160	2400	1250	2700	1650	6500	2500	7000	2750
100	2800	1400	3000	1800	6500	3100	9000	3500
63	3000	1400	3000	1800	6500	3700	9000	4500
40	3000	1400	3000	1800	6500	3900	9000	5000
25	3000	1400	3000	1800	6500	3900	9000	5000
≤ 16	3000	1400	3000	1800	6500	3900	9000	5000
Fr_{max}	3000	-	3000	-	6500	-	9000	-

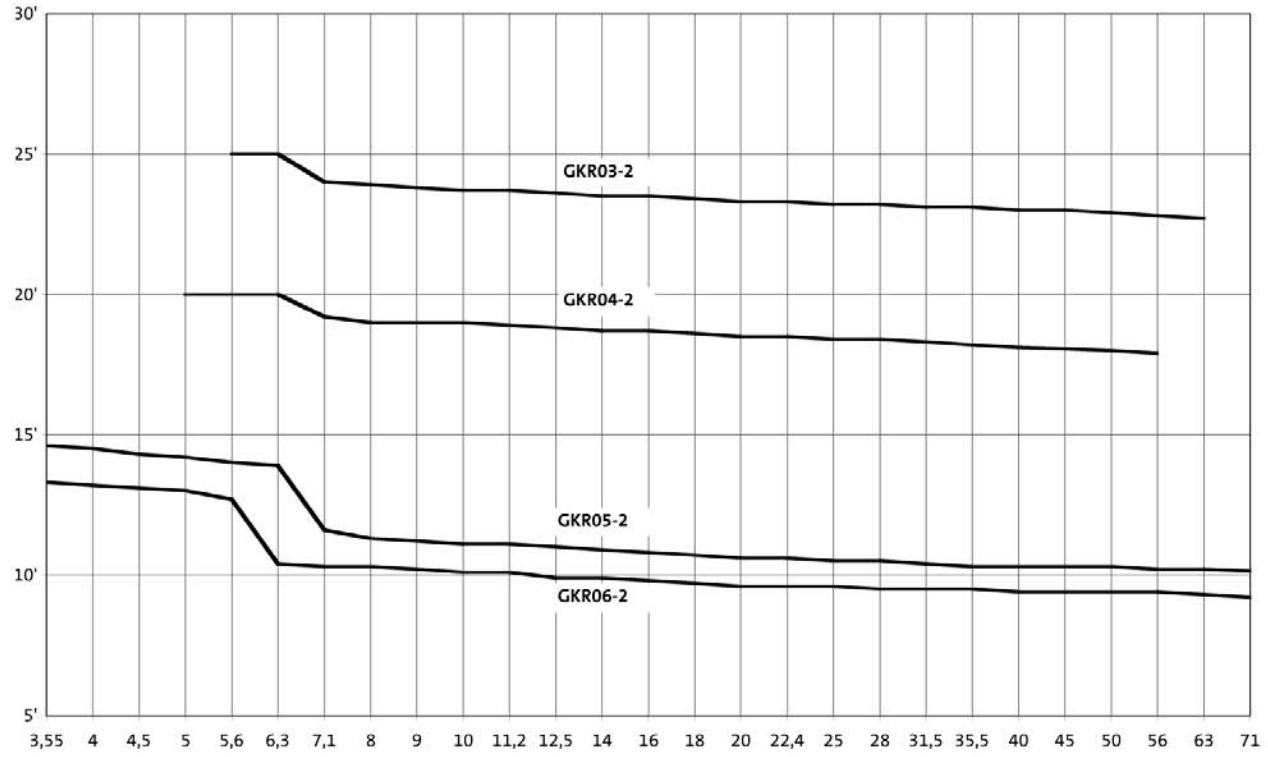


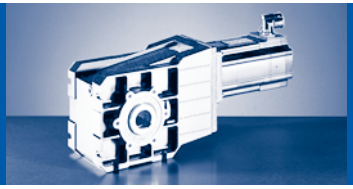
	Hollow shaft (H□□) Application of force Fr: on hollow shaft end face (x = 0) Fa_{Tab} only valid for Fr = 0							
	GKR03-2		GKR04-2		GKR05-2		GKR06-2	
n_2 [r/min]	Fr_{Tab} [N]	Fa_{Tab} [N]	Fr_{Tab} [N]	Fa_{Tab} [N]	Fr_{Tab} [N]	Fa_{Tab} [N]	Fr_{Tab} [N]	Fa_{Tab} [N]
1000	900	600	1000	700	1500	1100	3000	1500
630	1200	800	2200	1000	2250	1500	3800	2000
400	2200	1000	2550	1275	3800	1900	5000	2500
250	2500	1100	3000	1500	4500	2200	5200	2600
160	2800	1250	3300	1650	5100	2500	5500	2750
100	3000	1400	3600	1800	6200	3100	7000	3500
63	3000	1400	3600	1800	7400	3700	9000	4500
40	3000	1400	3600	1800	7800	3900	10000	5000
25	3000	1400	3600	1800	7800	3900	10000	5000
≤ 16	3000	1400	3600	1800	7800	3900	10000	5000
Fr_{max}	3000	-	3600	-	7800	-	10000	-

► Neither radial nor axial forces are permissible for the hollow shaft with shrink disc (S□□).

Output backlash in angular minutes

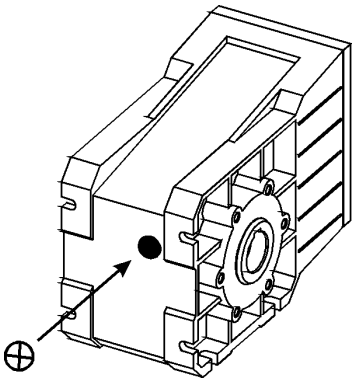
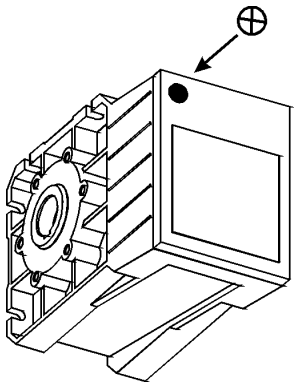
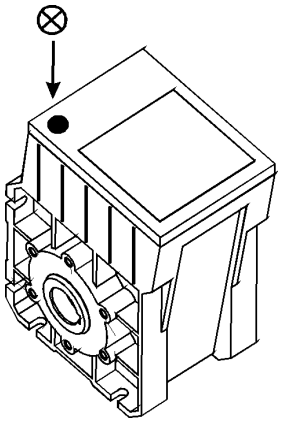
GKR03...06-2

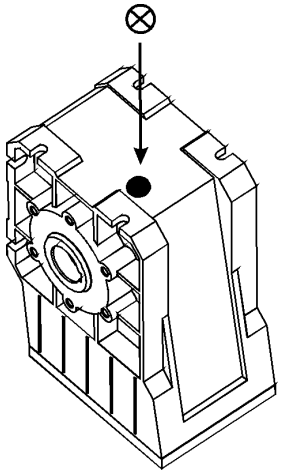
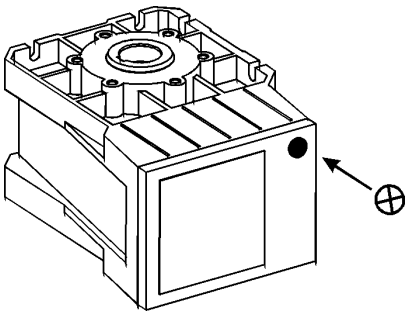
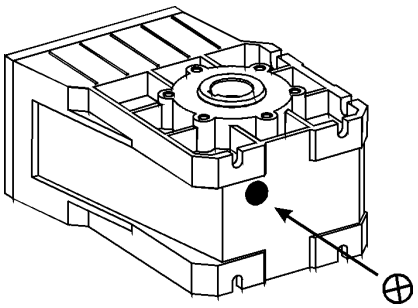




Position of ventilation

GKR06

Mounting position		
A	B	C
		

Mounting position		
D	E	F
		

⊗ Ventilation

GKR□□-2S HAR/HBR...RSO B0

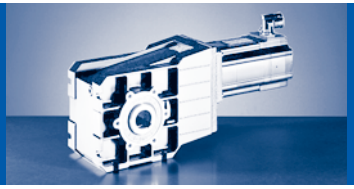
	06C C41	06F C41	06I C41	09D C41	09F C38	09H C41	09L C41	12D C20	12D C41	12H C15	12H C30	12H C35	12L C20	12L C41
GKR03...	5	6	7											
GKR04...	7	8		10	11	12	14							
GKR05...	10	11	12	13	14	15	17			20			23	
GKR06...	19	20		22	23	24	26	25		28			31	

	14D C15	14D C36	14H C15	14H C32	14L C15	14L C32	14P C14	14P C32
GKR06...	30		35		39		44	

GKR□□-2A HAR/HBR...RSO B0

	10I C40 ...S00	13I C41 ...S00	13I C34 ...F10	14L C20 ...S00	14L C41 ...S00	14L C16 ...F10	14L C35 ...F10	17N C23 ...S00	17N C41 ...S00	17N C17 ...F10	17N C35 ...F10
GKR04...	11	16	17								
GKR05...	16	20	21	26		27					
GKR06...	24	28	29	34		36		42		44	

Note additional weights.
Weights in [kg] with oil capacity for mounting position A, all given as approximate values



Additional weights MCS servo motors

	06C C41	06F C41	06I C41	09D C41	09F C38	09H C41	09L C41	12D C20	12D C41	12H C15	12H C30	12H C35	12L C20	12L C41
...P1	0.3			0.8				0.9						
...P2				0.5				1.2						
...SCS/SCM/SRM/SRS ...ECN/EQN	0.4			0.2				0.3						

	14D C15	14D C36	14H C15	14H C32	14L C15	14L C32	14P C14	14P C32
...P1	1.9							
...P2	3.1							
...SCS/SCM/SRM/SRS ...ECN/EQN	0.3							

Additional weights MCA servo motors

	10I C40 ...S00	13I C41 ...S00	13I C34 ...F10	14L C20 ...S00	14L C41 ...S00	14L C16 ...F10	14L C35 ...F10	17N C23 ...S00	17N C41 ...S00	17N C17 ...F10	17N C35 ...F10
...P1/P5								2.4			
...P2/P6	0.8	1.4		1.5							
...CDD ...ECN/EQN/EQI ...SCS/SCM/SRM/SRS/S20 ...T20	0.3	0.5		0.6				0.7			

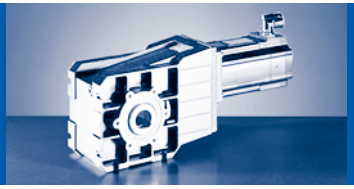
Additional weights gearbox

	Solid shaft	2nd output shaft end	Hollow shaft with shrink disc	Flange	Threaded hole circle torque plate	Casing foot torque plate
	V□□	V□□	S□□	□□K		
GKR03...	0.2	0.1	0.3	0.4	0.3	
GKR04...	0.3			0.5	0.4	
GKR05...	1	0.3	0.8	1	1.3	2
GKR06...	1.7	0.5	1		2.1	3.7

Weights in [kg]

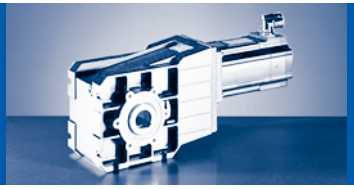
► $i_g = z_g / z_t$

	i	z_g	z_t
GKR03-2	5.411	1120	207
	6.222	1288	
	7.111	1600	225
	8.178	1840	
	9.101	1720	189
	10.466	1978	
	11.640	2200	
	13.386	2530	
	15.111	2040	135
	17.378	2346	
	19.365	2440	126
	22.270	2806	
	25.051	2480	99
	28.808	2852	
	32.593	2640	81
	37.481	3036	
	42.222	3800	90
	48.556	4370	
	53.889	3880	72
	61.972	4462	
GKR04-2	5.185	1400	270
	5.963	1610	
	7.111	1600	225
	8.178	1840	
	9.101	1720	189
	10.466	1978	
	11.449	2576	225
	12.698	2400	189
	14.603	2760	
	15.556	2520	162
	17.889	2898	
	19.556	2640	135
	22.489	3036	
	25.185	2720	108
	28.963	3128	
	31.919	3160	99
	36.707	3634	
	40.000	3240	81
	46.000	3726	
	52.698	3320	63
	60.603	3818	
GKR05-2	3.565	1925	540
	4.889	2200	450
	6.257	2365	378
	6.883	2065	300



► $i_g = z_g / z_t$

	i	z_g	z_t
GKR05-2	7.817	2345	300
	9.440	2360	250
	10.720	2680	
	12.081	2537	210
	13.216	3304	250
	13.719	2881	210
	15.008	3752	250
	16.857	3540	210
	19.143	4020	
	20.650	3717	180
	23.450	4221	
	26.878	4838	
	30.522	5494	
	33.433	4012	120
	37.967	4556	
	43.267	5192	
	49.133	5896	
	52.510	5251	100
	59.630	5963	
	67.113	5369	80
	76.213	6097	
GKR06-2	3.431	1750	510
	4.706	2000	425
	6.022	2150	357
	6.481	1750	270
	7.146	1715	240
	8.889	2000	225
	9.800	1960	200
	11.376	2150	189
	12.444	2800	225
	13.720	2744	200
	15.873	3000	189
	17.500	2940	168
	19.444	3150	162
	21.438	3087	144
	25.309	4100	162
	27.903	4018	144
	31.481	3400	108
	34.708	3332	96
	40.741	4400	108
	44.917	4312	96
	49.444	4450	90
	54.513	4361	80
	62.500	4500	72
	68.906	4410	64



$M_{2\,GN} \leq 45$ Nm

GKR03-2S				06CC41	06FC41	06IC41
				...S00	...S00	...S00
i	$M_{2\,GN}$	J_G	M_1	0.60	1.20	1.50
			n_1	4050	4050	4050
			$I_{M\,230}$	2.6	2.9	3.2
			$I_{M\,400}$	1.3	1.5	1.6
			P_N	0.25	0.51	0.64
			J_M	0.17	0.25	0.33
5.411	39	0.31	M_2		6	8
			c		4.6	3.7
			$n_{2\,Eck}$		749	749
			$n_{2\,th}$		749	749
6.222	41	0.28	M_2		7	9
			c		4.1	3.3
			$n_{2\,Eck}$		651	651
			$n_{2\,th}$		651	651
7.111	43	0.20	M_2		8	10
			c		3.8	3.1
			$n_{2\,Eck}$		570	570
			$n_{2\,th}$		570	570
8.178	44	0.18	M_2		9	11
			c		3.4	2.7
			$n_{2\,Eck}$		495	495
			$n_{2\,th}$		495	495
9.101	45	0.13	M_2		10	13
			c		3.1	2.5
			$n_{2\,Eck}$		445	445
			$n_{2\,th}$		445	445
10.466	45	0.12	M_2	6	12	15
			c	5.4	2.7	2.2
			$n_{2\,Eck}$	387	387	387
			$n_{2\,th}$	387	387	387
11.640	45	0.09	M_2	6	13	16
			c	4.9	2.4	2.0
			$n_{2\,Eck}$	348	348	348
			$n_{2\,th}$	348	348	348
13.386	45	0.08	M_2	7	15	19
			c	4.2	2.1	1.7
			$n_{2\,Eck}$	303	303	303
			$n_{2\,th}$	303	303	303
15.111	45	0.06	M_2	8	17	21
			c	3.8	1.9	1.5
			$n_{2\,Eck}$	268	268	268
			$n_{2\,th}$	268	268	268
17.378	45	0.06	M_2	10	20	25
			c	3.3	1.6	1.3
			$n_{2\,Eck}$	233	233	233
			$n_{2\,th}$	233	233	233
19.365	45	0.04	M_2	11	22	28
			c	2.9	1.5	1.2
			$n_{2\,Eck}$	209	209	209
			$n_{2\,th}$	209	209	209
22.270	45	0.05	M_2	12	25	32
			c	2.6	1.3	1.0
			$n_{2\,Eck}$	182	182	182
			$n_{2\,th}$	182	182	182
25.051	45	0.03	M_2	14	28	36
			c	2.6	1.3	1.0
			$n_{2\,Eck}$	162	162	162
			$n_{2\,th}$	162	162	162

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

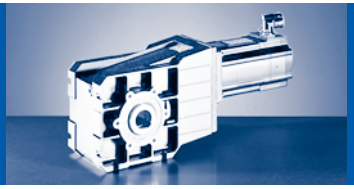
P ... [kW]
I ... [A]
i [-]
c [-]

$M_{2\,GN} \leq 45$ Nm

GKR03-2S				06CC41	06FC41	06IC41
				...S00	...S00	...S00
i	$M_{2\,GN}$	J_G	M_1	0.60	1.20	1.50
			n_1	4050	4050	4050
			$I_{M\,230}$	2.6	2.9	3.2
			$I_{M\,400}$	1.3	1.5	1.6
			P_N	0.25	0.51	0.64
			J_M	0.17	0.25	0.33
28.808	45	0.02	M_2 c $n_{2\,Eck}$ $n_{2\,th}$	16 2.2 141 141	33 1.1 141 141	
32.593	45	0.02	M_2 c $n_{2\,Eck}$ $n_{2\,th}$	18 2.0 124 124		
37.481	45	0.02	M_2 c $n_{2\,Eck}$ $n_{2\,th}$	21 1.7 108 108		

M ... [Nm]
n ... [r/min]
J ... [kgcm^2]

P ... [kW]
I ... [A]
i [-]
c [-]



$M_{2\,GN} \leq 90$ Nm

GKR04-2S				06CC41	06FC41	06IC41	09DC41	09FC38	09HC41	09LC41
				...S00	...S00	...S00	...S00	...S00	...S00	...S00
i	$M_{2\,GN}$	J_G	M_1	0.60	1.20	1.50	2.30	3.10	3.80	4.50
			n_1	4050	4050	4050	4050	3750	4050	4050
			$I_{M\,230}$	2.6	2.9	3.2	4.6	5.0	6.8	8.4
			$I_{M\,400}$	1.3	1.5	1.6	2.3	2.5	3.4	4.2
			P_N	0.25	0.51	0.64	1.00	1.20	1.60	1.90
			J_M	0.17	0.25	0.33	1.13	1.53	1.93	2.83
5.185	69	0.81	M_2				11	15	18	22
			c				4.4	3.3	2.6	2.2
			$n_{2\,Eck}$				781	723	781	781
			$n_{2\,th}$				679	645	617	596
5.963	72	0.72	M_2				13	17	21	25
			c				4.0	3.0	2.4	2.0
			$n_{2\,Eck}$				679	629	679	679
			$n_{2\,th}$				581	551	527	509
7.111	78	0.45	M_2			10	15	21	25	30
			c			5.5	3.6	2.7	2.2	1.8
			$n_{2\,Eck}$			570	570	527	570	570
			$n_{2\,th}$			569	530	506	485	459
8.178	81	0.41	M_2			11	17	24	29	35
			c			5.0	3.3	2.5	2.0	1.7
			$n_{2\,Eck}$			495	495	459	495	495
			$n_{2\,th}$			487	454	432	415	382
9.101	84	3.27	M_2		10	12	19	26	33	39
			c		5.8	4.7	3.1	2.3	1.9	1.6
			$n_{2\,Eck}$		445	445	445	412	445	445
			$n_{2\,th}$		445	445	445	412	425	389
10.466	89	0.30	M_2		11	14	22	30	38	45
			c		5.3	4.3	2.8	2.1	1.7	1.4
			$n_{2\,Eck}$		387	387	387	358	387	387
			$n_{2\,th}$		387	387	387	358	352	324
11.449	90	0.26	M_2		13	16	25	33	41	49
			c		5.0	4.0	2.6	2.0	1.6	1.3
			$n_{2\,Eck}$		354	354	354	328	354	354
			$n_{2\,th}$		354	354	354	328	324	300
12.698	90	1.99	M_2		14	18	27	37	46	54
			c		4.5	3.6	2.3	1.8	1.4	1.2
			$n_{2\,Eck}$		319	319	319	295	319	319
			$n_{2\,th}$		319	319	319	295	318	299
14.603	90	0.18	M_2		16	20	32	43	53	62
			c		3.9	3.1	2.0	1.5	1.2	1.0
			$n_{2\,Eck}$		277	277	277	257	277	277
			$n_{2\,th}$		277	277	277	257	263	248
15.556	90	1.47	M_2		17	22	34	46	56	
			c		3.7	2.9	1.9	1.5	1.2	
			$n_{2\,Eck}$		260	260	260	241	260	
			$n_{2\,th}$		260	260	260	241	260	
17.889	90	0.14	M_2		20	25	39	53	65	
			c		3.2	2.5	1.7	1.3	1.0	
			$n_{2\,Eck}$		226	226	226	210	226	
			$n_{2\,th}$		226	226	226	210	226	
19.556	90	0.10	M_2	11	22	27				
			c	5.8	2.9	2.3				
			$n_{2\,Eck}$	207	207	207				
			$n_{2\,th}$	207	207	207				
22.489	90	0.09	M_2	12	25	32				
			c	5.0	2.5	2.0				
			$n_{2\,Eck}$	180	180	180				
			$n_{2\,th}$	180	180	180				

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

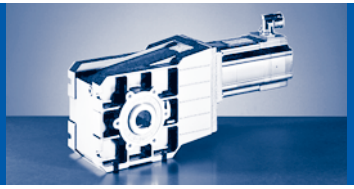
P ... [kW]
I ... [A]
i [-]
c [-]

$M_{2\,GN} \leq 90$ Nm

GKR04-2S				06CC41	06FC41	06IC41	09DC41	09FC38	09HC41	09LC41
				...S00	...S00	...S00	...S00	...S00	...S00	...S00
i	$M_{2\,GN}$	J_G	M_1	0.60	1.20	1.50	2.30	3.10	3.80	4.50
			n_1	4050	4050	4050	4050	3750	4050	4050
			$I_{M\,230}$	2.6	2.9	3.2	4.6	5.0	6.8	8.4
			$I_{M\,400}$	1.3	1.5	1.6	2.3	2.5	3.4	4.2
			P_N	0.25	0.51	0.64	1.00	1.20	1.60	1.90
			J_M	0.17	0.25	0.33	1.13	1.53	1.93	2.83
25.185	90	0.07	M_2	14	28	35				
			c	5.1	2.6	2.1				
			$n_{2\,Eck}$	161	161	161				
			$n_{2\,th}$	161	161	161				
28.963	90	0.06	M_2	16	33	41				
			c	4.5	2.2	1.8				
			$n_{2\,Eck}$	140	140	140				
			$n_{2\,th}$	140	140	140				

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

P ... [kW]
I ... [A]
i [-]
c [-]



$M_{2\,GN} \leq 240$ Nm

GKR05-2S				06FC41	06IC41	09DC41	09FC38	09HC41	09LC41	12DC20	12DC41	12HC15	12HC30	12HC35	12LC20
				...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00
i	$M_{2\,GN}$	J_G	M_1	1.20	1.50	2.30	3.10	3.80	4.50	5.50	4.30	10.00	8.00	7.50	13.50
			n_1	4050	4050	4050	3750	4050	4050	1950	4050	1500	3000	3525	1950
			$I_{M\,230}$	2.9	3.2	4.6	5.0	6.8	8.4	5.2	8.8	7.6	10.5		11.8
			$I_{M\,400}$	1.5	1.6	2.3	2.5	3.4	4.2	2.6	4.5	3.8		5.7	5.9
			P_N	0.51	0.64	1.00	1.20	1.60	1.90	1.10	1.80	1.60	2.50	2.80	2.80
			J_M	0.25	0.33	1.13	1.53	1.93	2.83	4.12	4.12	7.42	7.42	7.42	10.72
3.565	116	4.95	M_2						15						
			c						5.4						
			$n_{2\,Eck}$						1136						
			$n_{2\,th}$						860						
3.565	138	4.95	M_2									33	26		45
			c									4.1	4.0		2.8
			$n_{2\,Eck}$									421	842		547
			$n_{2\,th}$									421	812		547
4.889	139	2.79	M_2					17	20						
			c					5.7	4.8						
			$n_{2\,Eck}$					828	828						
			$n_{2\,th}$					739	717						
4.889	147	2.79	M_2							24	19	45	36		62
			c							5.3	5.3	3.2	3.1		2.1
			$n_{2\,Eck}$							399	828	307	614		399
			$n_{2\,th}$							399	730	307	614		399
6.257	150	1.79	M_2				17	22	26						
			c				6.0	4.8	4.0						
			$n_{2\,Eck}$				599	647	647						
			$n_{2\,th}$				599	609	592						
6.257	156	1.79	M_2							32	25	58	47		80
			c							4.4	4.4	2.6	2.6		1.8
			$n_{2\,Eck}$							312	647	240	480		312
			$n_{2\,th}$							312	601	240	479		312
6.883	179	2.57	M_2					24	28	35	27	64	51		87
			c					5.2	4.4	4.6	4.6	2.7	2.7		1.9
			$n_{2\,Eck}$					588	588	283	588	218	436		283
			$n_{2\,th}$					441	427	283	431	218	388		283
7.817	187	2.32	M_2				22	27	32	39	31	73	58		100
			c				6.0	4.8	4.0	4.2	4.2	2.5	2.5		1.7
			$n_{2\,Eck}$				480	518	518	250	518	192	384		250
			$n_{2\,th}$				399	382	370	249	373	192	335		249
9.440	191	1.53	M_2				27	33	39	48	38	89	71	66	121
			c				5.1	4.0	3.4	3.5	3.6	2.1	2.1	2.1	1.4
			$n_{2\,Eck}$				397	429	429	207	429	159	318	373	207
			$n_{2\,th}$				375	359	348	207	351	159	316	316	207
10.720	204	1.40	M_2				30	38	45	55	43	101	81	76	137
			c				4.8	3.8	3.2	3.3	3.3	2.0	2.0	2.0	1.4
			$n_{2\,Eck}$				350	378	378	182	378	140	280	329	182
			$n_{2\,th}$				326	313	303	182	305	140	275	275	182
12.081	208	1.02	M_2			25	34	42	51	62	48	114	91		155
			c			5.7	4.3	3.4	2.9	3.0	3.0	1.8	1.8		1.2
			$n_{2\,Eck}$			335	310	335	335	161	335	124	248		161
			$n_{2\,th}$			325	310	298	289	161	292	124	248		161
13.216	214	0.87	M_2			28	38	47	55	68	53	125	100		169
			c			5.3	4.1	3.2	2.7	2.8	2.9	1.7	1.7		1.2
			$n_{2\,Eck}$			307	284	307	307	148	307	114	227		148
			$n_{2\,th}$			304	284	280	271	148	274	114	227		148
13.719	217	0.94	M_2			29	39	48	58	70	55	129	104		176
			c			5.2	4.0	3.1	2.7	2.8	2.8	1.7	1.7		1.1
			$n_{2\,Eck}$			295	273	295	295	142	295	109	219		142
			$n_{2\,th}$			282	269	259	251	142	253	109	216		142

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

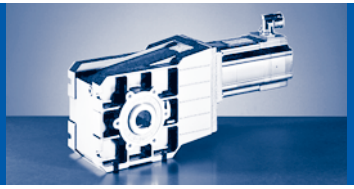
P ... [kW]
I ... [A]
i [-]
c [-]

$M_{2\ GN} \leq 240$ Nm

GKR05-2S				06FC41	06IC41	09DC41	09FC38	09HC41	09LC41	12DC20	12DC41	12HC15	12HC30	12HC35	12LC20
				...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00
i	$M_{2\ GN}$	J_G	M_1	1.20	1.50	2.30	3.10	3.80	4.50	5.50	4.30	10.00	8.00	7.50	13.50
			n_1	4050	4050	4050	3750	4050	4050	1950	4050	1500	3000	3525	1950
			$I_{M\ 230}$	2.9	3.2	4.6	5.0	6.8	8.4	5.2	8.8	7.6	10.5		11.8
			$I_{M\ 400}$	1.5	1.6	2.3	2.5	3.4	4.2	2.6	4.5	3.8		5.7	5.9
			P_N	0.51	0.64	1.00	1.20	1.60	1.90	1.10	1.80	1.60	2.50	2.80	2.80
			J_M	0.25	0.33	1.13	1.53	1.93	2.83	4.12	4.12	7.42	7.42	7.42	10.72
15.008	223	0.81	M_2			31	43	53	63	77	60	142	113		192
			c			4.9	3.7	3.0	2.5	2.6	2.6	1.6	1.6		1.1
			$n_{2\ Eck}$			270	250	270	270	130	270	100	200		130
			$n_{2\ th}$			264	250	243	235	130	237	100	200		130
16.857	240	0.60	M_2			35	48	60	71	87	68	159	127		216
			c			4.7	3.6	2.8	2.4	2.5	2.5	1.5	1.5		1.0
			$n_{2\ Eck}$			240	223	240	240	116	240	89	178		116
			$n_{2\ th}$			240	222	240	240	116	240	89	178		116
19.143	240	0.55	M_2			40	55	68	81	99	77	181	145		
			c			4.1	3.1	2.5	2.1	2.2	2.2	1.3	1.3		
			$n_{2\ Eck}$			212	196	212	212	102	212	78	157		
			$n_{2\ th}$			212	196	212	212	102	212	78	157		
20.650	231	0.44	M_2		28										
			c		5.7										
			$n_{2\ Eck}$		196										
			$n_{2\ th}$		196										
20.650	240	0.44	M_2			44	60	74	87	107	83	196	157	147	
			c			3.8	2.9	2.3	2.0	2.0	2.0	1.2	1.2	1.2	
			$n_{2\ Eck}$			196	182	196	196	94	196	73	145	171	
			$n_{2\ th}$			196	182	196	196	94	196	73	145	171	
23.450	240	0.41	M_2		32	50	68	84	99	122	95	223	178	167	
			c		5.2	3.4	2.6	2.0	1.7	1.8	1.8	1.1	1.1	1.1	
			$n_{2\ Eck}$		173	173	160	173	173	83	173	64	128	150	
			$n_{2\ th}$		173	173	160	173	173	83	173	64	128	147	
26.878	240	0.27	M_2		37	57	78	96	114						
			c		5.1	3.3	2.5	2.0	1.7						
			$n_{2\ Eck}$		151	151	140	151	151						
			$n_{2\ th}$		151	151	140	151	151						
30.522	240	0.25	M_2	33	42	65	89	109	130						
			c	5.6	4.5	2.9	2.2	1.8	1.5						
			$n_{2\ Eck}$	133	133	133	123	133	133						
			$n_{2\ th}$	133	133	133	123	133	133						
33.433	240	0.19	M_2	36	46	72	97	120	142						
			c	5.1	4.1	2.7	2.0	1.6	1.4						
			$n_{2\ Eck}$	121	121	121	112	121	121						
			$n_{2\ th}$	121	121	121	112	121	121						
37.967	240	0.18	M_2	42	53	82	111	136	162						
			c	4.5	3.6	2.4	1.8	1.4	1.2						
			$n_{2\ Eck}$	107	107	107	99	107	107						
			$n_{2\ th}$	107	107	107	99	107	107						
43.267	240	0.12	M_2	48	60										
			c	4.4	3.5										
			$n_{2\ Eck}$	94	94										
			$n_{2\ th}$	94	94										
49.133	240	0.11	M_2	54	68										
			c	3.9	3.1										
			$n_{2\ Eck}$	82	82										
			$n_{2\ th}$	82	82										
52.510	240	0.09	M_2	58	73										
			c	3.6	2.9										
			$n_{2\ Eck}$	77	77										
			$n_{2\ th}$	77	77										

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

P ... [kW]
I ... [A]
i [-]
c [-]



$M_{2\,GN} \leq 240$ Nm

GKR05-2S				06FC41	06IC41	09DC41	09FC38	09HC41	09LC41	12DC20	12DC41	12HC15	12HC30	12HC35	12LC20
				...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00
i	$M_{2\,GN}$	J_G	M_1	1.20	1.50	2.30	3.10	3.80	4.50	5.50	4.30	10.00	8.00	7.50	13.50
			n_1	4050	4050	4050	3750	4050	4050	1950	4050	1500	3000	3525	1950
			$I_{M\,230}$	2.9	3.2	4.6	5.0	6.8	8.4	5.2	8.8	7.6	10.5		11.8
			$I_{M\,400}$	1.5	1.6	2.3	2.5	3.4	4.2	2.6	4.5	3.8		5.7	5.9
			P_N	0.51	0.64	1.00	1.20	1.60	1.90	1.10	1.80	1.60	2.50	2.80	2.80
			J_M	0.25	0.33	1.13	1.53	1.93	2.83	4.12	4.12	7.42	7.42	7.42	10.72
59.630	240	0.08	M_2	66	84										
			c	3.2	2.6										
			$n_{2\,Eck}$	68	68										
			$n_{2\,th}$	68	68										

M ... [Nm]
n ... [r/min]
J ... [kgcm^2]

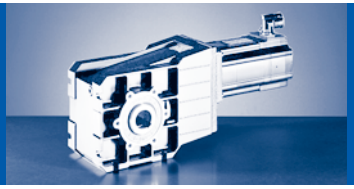
P ... [kW]
I ... [A]
i [-]
c [-]

$M_{2\,GN} \leq 450$ Nm

GKR06-2S				06FC41	06IC41	09DC41	09FC38	09HC41	09LC41	12DC20	12DC41	12HC15	12HC30
				...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00
i	$M_{2\,GN}$	J_G	M_1	1.20	1.50	2.30	3.10	3.80	4.50	5.50	4.30	10.00	8.00
			n_1	4050	4050	4050	3750	4050	4050	1950	4050	1500	3000
			$I_{M\,230}$	2.9	3.2	4.6	5.0	6.8	8.4	5.2	8.8	7.6	10.5
			$I_{M\,400}$	1.5	1.6	2.3	2.5	3.4	4.2	2.6	4.5	3.8	
			P_N	0.51	0.64	1.00	1.20	1.60	1.90	1.10	1.80	1.60	2.50
			J_M	0.25	0.33	1.13	1.53	1.93	2.83	4.12	4.12	7.42	7.42
3.431	188	9.58	M_2 c $n_{2\,Eck}$ $n_{2\,th}$									31 5.8 437 437	25 5.7 874 765
3.431	200	9.58	M_2 c $n_{2\,Eck}$ $n_{2\,th}$										
4.706	215	5.61	M_2 c $n_{2\,Eck}$ $n_{2\,th}$									43 4.8 319 319	34 4.8 638 623
4.706	250	5.61	M_2 c $n_{2\,Eck}$ $n_{2\,th}$										
6.022	179	3.66	M_2 c $n_{2\,Eck}$ $n_{2\,th}$					21 5.9 673 586	25 5.0 673 568				
6.022	231	3.66	M_2 c $n_{2\,Eck}$ $n_{2\,th}$									55 4.0 249 249	44 4.0 498 498
6.022	280	3.66	M_2 c $n_{2\,Eck}$ $n_{2\,th}$										
6.481	350	5.11	M_2 c $n_{2\,Eck}$ $n_{2\,th}$									59 5.7 231 231	47 5.6 463 404
7.146	348	4.54	M_2 c $n_{2\,Eck}$ $n_{2\,th}$									65 5.1 210 210	52 5.1 420 359
8.889	405	3.23	M_2 c $n_{2\,Eck}$ $n_{2\,th}$									81 4.8 169 169	65 4.8 338 330
8.889	408	3.23	M_2 c $n_{2\,Eck}$ $n_{2\,th}$										
9.800	384	2.93	M_2 c $n_{2\,Eck}$ $n_{2\,th}$									90 4.1 153 153	72 4.1 306 291
11.376	337	2.21	M_2 c $n_{2\,Eck}$ $n_{2\,th}$					39 5.9 356 310	47 5.0 356 301				

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

P ... [kW]
I ... [A]
i [-]
c [-]



$M_{2\,GN} \leq 450$ Nm

12HC35	12LC20	12LC41	14DC15	14DC36	14HC15	14HC32	14LC15	14LC32	14PC14	14PC32	GKR06-2S			
...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00				
7.50	13.50	11.00	9.20	7.50	16.00	14.00	23.00	17.20	30.00	21.00	M_1	J_G	$M_{2\,GN}$	i
3525	1950	4050	1500	3600	1500	3225	1500	3225	1350	3225	n_1			
	11.8										$I_{M\,230}$			
5.7	5.9	10.2	4.5	7.5	6.6	11.9	9.7	15.0	10.8	15.6	$I_{M\,400}$			
2.80	2.80	4.70	1.45	2.80	2.50	4.70	3.60	5.80	4.20	7.10	P_N			
7.42	10.72	10.72	8.22	8.22	14.32	14.32	23.44	23.44	34.74	34.82	J_M			
23	43	35									M_2	9.58	188	3.431
5.8	3.9	3.8									c			
1027	568	1180									$n_{2\,Eck}$			
766	568	702									$n_{2\,th}$			
					51	44	74	55	97	68	M_2	9.58	200	3.431
					3.8	3.4	2.7	2.8	2.1	2.3	c			
					437	940	437	940	393	940	$n_{2\,Eck}$			
					437	687	437	657	393	627	$n_{2\,th}$			
32	59	48									M_2	5.61	215	4.706
4.8	3.3	3.1									c			
749	414	861									$n_{2\,Eck}$			
625	414	573									$n_{2\,th}$			
				32	70	61	101	76	133	93	M_2	5.61	250	4.706
				5.6	3.5	3.1	2.4	2.5	1.9	2.1	c			
				765	319	685	319	685	287	685	$n_{2\,Eck}$			
				642	319	571	319	546	287	522	$n_{2\,th}$			
											M_2	3.66	179	6.022
											c			
											$n_{2\,Eck}$			
											$n_{2\,th}$			
42	76	62									M_2	3.66	231	6.022
4.1	2.7	2.6									c			
585	324	673									$n_{2\,Eck}$			
546	324	501									$n_{2\,th}$			
			50	41	90	79	130	97	171	119	M_2	3.66	280	6.022
			5.3	4.9	3.1	2.7	2.1	2.2	1.6	1.8	c			
			249	598	249	536	249	536	224	536	$n_{2\,Eck}$			
			249	566	249	504	249	482	224	446	$n_{2\,th}$			
44	81	66		44	96	84	139	104	183	128	M_2	5.11	350	6.481
5.7	3.9	3.7		5.7	3.6	3.2	2.5	2.6	1.9	2.1	c			
544	301	625		555	231	498	231	498	208	498	$n_{2\,Eck}$			
405	301	371		404	231	358	231	342	208	326	$n_{2\,th}$			
49	89	73	59	49	106	93	154	115	202	141	M_2	4.54	348	7.146
5.1	3.5	3.4	5.6	5.1	3.2	2.8	2.2	2.3	1.7	1.9	c			
493	273	567	210	504	210	451	210	451	189	451	$n_{2\,Eck}$			
360	273	329	210	359	210	317	210	303	189	284	$n_{2\,th}$			
61	111	91									M_2	3.23	405	8.889
4.8	3.3	3.1									c			
397	219	456									$n_{2\,Eck}$			
331	219	303									$n_{2\,th}$			
			74	61	132	116	192	143	252	176	M_2	3.23	408	8.889
			5.3	4.8	3.0	2.7	2.1	2.2	1.6	1.8	c			
			169	405	169	363	169	363	152	363	$n_{2\,Eck}$			
			169	331	169	293	169	280	152	258	$n_{2\,th}$			
68	123	101	83	68	146	129	212	159	278	194	M_2	2.93	384	9.800
4.1	2.8	2.7	4.5	4.1	2.6	2.3	1.8	1.9	1.4	1.5	c			
360	199	413	153	367	153	329	153	329	138	329	$n_{2\,Eck}$			
291	199	266	153	291	153	257	153	240	138	214	$n_{2\,th}$			
											M_2	2.21	337	11.376
											c			
											$n_{2\,Eck}$			
											$n_{2\,th}$			

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

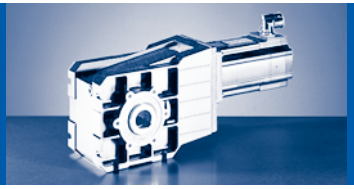
P ... [kW]
I ... [A]
i [-]
c [-]

$M_{2\,GN} \leq 450$ Nm

GKR06-2S				06FC41	06IC41	09DC41	09FC38	09HC41	09LC41	12DC20	12DC41	12HC15	12HC30
				...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00
i	$M_{2\,GN}$	J_G	M_1	1.20	1.50	2.30	3.10	3.80	4.50	5.50	4.30	10.00	8.00
			n_1	4050	4050	4050	3750	4050	4050	1950	4050	1500	3000
			$I_{M\,230}$	2.9	3.2	4.6	5.0	6.8	8.4	5.2	8.8	7.6	10.5
			$I_{M\,400}$	1.5	1.6	2.3	2.5	3.4	4.2	2.6	4.5	3.8	
			P_N	0.51	0.64	1.00	1.20	1.60	1.90	1.10	1.80	1.60	2.50
			J_M	0.25	0.33	1.13	1.53	1.93	2.83	4.12	4.12	7.42	7.42
11.376	436	2.21	M_2 c $n_{2\,Eck}$ $n_{2\,th}$									105 4.0 132 132	84 4.0 264 264
12.444	353	1.89	M_2 c $n_{2\,Eck}$ $n_{2\,th}$					43 5.6 326 290	51 4.8 326 282				
12.444	450	1.89	M_2 c $n_{2\,Eck}$ $n_{2\,th}$									115 3.8 121 121	92 3.8 241 241
13.720	389	1.73	M_2 c $n_{2\,Eck}$ $n_{2\,th}$					47 5.6 295 263	56 4.8 295 255				
13.720	426	1.73	M_2 c $n_{2\,Eck}$ $n_{2\,th}$							68 5.5 142 142	53 5.5 295 262	127 3.3 109 109	102 3.2 219 219
15.873	379	1.32	M_2 c $n_{2\,Eck}$ $n_{2\,th}$				44 6.0 236 236	55 4.8 255 242	66 4.0 255 236				
15.873	450	1.32	M_2 c $n_{2\,Eck}$ $n_{2\,th}$							79 5.0 123 123	62 5.0 255 244	148 3.0 95 95	118 3.0 189 189
17.500	418	1.23	M_2 c $n_{2\,Eck}$ $n_{2\,th}$				49 6.0 214 214	61 4.8 231 220	72 4.0 231 214				
17.500	450	1.23	M_2 c $n_{2\,Eck}$ $n_{2\,th}$							88 4.5 111 111	69 4.5 231 218	163 2.7 86 86	131 2.7 171 171
19.444	398	0.99	M_2 c $n_{2\,Eck}$ $n_{2\,th}$				55 5.1 193 193	68 4.1 208 208	81 3.4 208 208				
19.444	450	0.99	M_2 c $n_{2\,Eck}$ $n_{2\,th}$							98 4.1 100 100	77 4.1 208 208	182 2.4 77 77	146 2.4 154 154
21.438	439	0.93	M_2 c $n_{2\,Eck}$ $n_{2\,th}$				60 5.1 175 175	75 4.1 189 189	89 3.4 189 189				
21.438	450	0.93	M_2 c $n_{2\,Eck}$ $n_{2\,th}$							109 3.7 91 91	85 3.7 189 189	201 2.2 70 70	161 2.2 140 140

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

P ... [kW]
I ... [A]
i [-]
c [-]



$M_{2\,GN} \leq 450$ Nm

12HC35	12LC20	12LC41	14DC15	14DC36	14HC15	14HC32	14LC15	14LC32	14PC14	14PC32	GKR06-2S			
...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00				
7.50	13.50	11.00	9.20	7.50	16.00	14.00	23.00	17.20	30.00	21.00	M_1	J_G	$M_{2\,GN}$	i
3525	1950	4050	1500	3600	1500	3225	1500	3225	1350	3225	n_1			
	11.8										$I_{M\,230}$			
5.7	5.9	10.2	4.5	7.5	6.6	11.9	9.7	15.0	10.8	15.6	$I_{M\,400}$			
2.80	2.80	4.70	1.45	2.80	2.50	4.70	3.60	5.80	4.20	7.10	P_N			
7.42	10.72	10.72	8.22	8.22	14.32	14.32	23.44	23.44	34.74	34.82	J_M			
78	143	117	96	78	170	149	247	184	323	226	M_2	2.21	436	11.376
4.0	2.7	2.6	4.4	4.0	2.5	2.2	1.8	1.8	1.3	1.5	c			
310	171	356	132	317	132	284	132	284	119	284	$n_{2\,Eck}$			
289	171	265	132	289	132	256	132	237	119	211	$n_{2\,th}$			
											M_2	1.89	353	12.444
											c			
											$n_{2\,Eck}$			
											$n_{2\,th}$			
86	157	128	105	86	186	164	270	202	354	247	M_2	1.89	450	12.444
3.8	2.6	2.5	4.1	3.8	2.4	2.1	1.7	1.7	1.3	1.4	c			
283	157	326	121	289	121	259	121	259	109	259	$n_{2\,Eck}$			
270	157	248	121	270	121	240	121	218	108	196	$n_{2\,th}$			
											M_2	1.73	389	13.720
											c			
											$n_{2\,Eck}$			
											$n_{2\,th}$			
95	174	142	117	95	206	181	298	223	391	273	M_2	1.73	426	13.720
3.3	2.2	2.1	3.6	3.3	2.0	1.8	1.4	1.5	1.1	1.2	c			
257	142	295	109	262	109	235	109	235	98	235	$n_{2\,Eck}$			
238	142	218	109	238	109	204	109	182	98	165	$n_{2\,th}$			
											M_2	1.32	379	15.873
											c			
											$n_{2\,Eck}$			
											$n_{2\,th}$			
111	201	164	135	111	239	210	346	258		316	M_2	1.32	450	15.873
3.0	2.0	2.0	3.2	3.0	1.9	1.7	1.3	1.3		1.1	c			
222	123	255	95	227	95	203	95	203		203	$n_{2\,Eck}$			
222	123	206	95	223	95	189	95	172		158	$n_{2\,th}$			
											M_2	1.23	418	17.500
											c			
											$n_{2\,Eck}$			
											$n_{2\,th}$			
122	222	181	150	122	264	232	382	285			M_2	1.23	450	17.500
2.7	1.8	1.8	2.9	2.7	1.7	1.5	1.2	1.2			c			
201	111	231	86	206	86	184	86	184			$n_{2\,Eck}$			
199	111	177	86	199	86	164	86	150			$n_{2\,th}$			
											M_2	0.99	398	19.444
											c			
											$n_{2\,Eck}$			
											$n_{2\,th}$			
136	248	202	167	136	294	258	425	317			M_2	0.99	450	19.444
2.4	1.7	1.6	2.7	2.4	1.5	1.4	1.1	1.1			c			
181	100	208	77	185	77	166	77	166			$n_{2\,Eck}$			
181	100	177	77	185	77	163	77	149			$n_{2\,th}$			
											M_2	0.93	439	21.438
											c			
											$n_{2\,Eck}$			
											$n_{2\,th}$			
151	274	223	185	151	325	284					M_2	0.93	450	21.438
2.2	1.5	1.4	2.4	2.2	1.4	1.2					c			
164	91	189	70	168	70	150					$n_{2\,Eck}$			
164	91	153	70	167	70	141					$n_{2\,th}$			

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

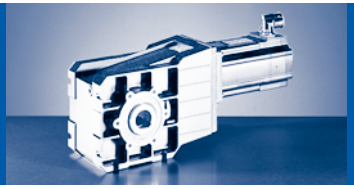
P ... [kW]
I ... [A]
i [-]
c [-]

$M_{2\,GN} \leq 450$ Nm

GKR06-2S				06FC41	06IC41	09DC41	09FC38	09HC41	09LC41	12DC20	12DC41	12HC15	12HC30
				...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00
i	$M_{2\,GN}$	J_G	M_1	1.20	1.50	2.30	3.10	3.80	4.50	5.50	4.30	10.00	8.00
			n_1	4050	4050	4050	3750	4050	4050	1950	4050	1500	3000
			$I_{M\,230}$	2.9	3.2	4.6	5.0	6.8	8.4	5.2	8.8	7.6	10.5
			$I_{M\,400}$	1.5	1.6	2.3	2.5	3.4	4.2	2.6	4.5	3.8	
			P_N	0.51	0.64	1.00	1.20	1.60	1.90	1.10	1.80	1.60	2.50
			J_M	0.25	0.33	1.13	1.53	1.93	2.83	4.12	4.12	7.42	7.42
25.309	416	0.63	M_2 c $n_{2\,Eck}$ $n_{2\,th}$				72 4.7 148 148	89 3.7 160 160	106 3.1 160 160				
25.309	450	0.63	M_2 c $n_{2\,Eck}$ $n_{2\,th}$							129 3.4 77 77	101 3.6 160 160	238 1.9 59 59	190 2.1 119 119
27.903	450	0.59	M_2 c $n_{2\,Eck}$ $n_{2\,th}$				79 4.6 134 134	98 3.7 145 145	117 3.1 145 145	143 3.1 70 70	111 3.2 145 145	263 1.7 54 54	210 1.9 108 108
31.481	291	0.46	M_2 c $n_{2\,Eck}$ $n_{2\,th}$		43 5.3 129 129								
31.481	431	0.46	M_2 c $n_{2\,Eck}$ $n_{2\,th}$			66 5.1 129 129	90 3.9 119 119	111 3.1 129 129	132 2.6 129 129				
31.481	450	0.46	M_2 c $n_{2\,Eck}$ $n_{2\,th}$							161 2.7 62 62	126 2.9 129 129	297 1.5 48 48	238 1.7 95 95
34.708	321	0.43	M_2 c $n_{2\,Eck}$ $n_{2\,th}$		47 5.3 117 117								
34.708	450	0.43	M_2 c $n_{2\,Eck}$ $n_{2\,th}$			73 4.8 117 117	99 3.7 108 108	123 2.9 117 117	146 2.5 117 117	179 2.5 56 56	139 2.6 117 117	328 1.4 43 43	262 1.5 86 86
40.741	302	0.28	M_2 c $n_{2\,Eck}$ $n_{2\,th}$	44 5.9 99 99	56 4.7 99 99								
40.741	447	0.28	M_2 c $n_{2\,Eck}$ $n_{2\,th}$			86 4.5 99 99	117 3.5 92 92	144 2.8 99 99	172 2.3 99 99				
44.917	333	0.27	M_2 c $n_{2\,Eck}$ $n_{2\,th}$	49 5.9 90 90	62 4.7 90 90								
44.917	450	0.27	M_2 c $n_{2\,Eck}$ $n_{2\,th}$			95 4.2 90 90	129 3.2 84 83	160 2.5 90 90	190 2.1 90 90				
49.444	306	0.21	M_2 c $n_{2\,Eck}$ $n_{2\,th}$	54 4.9 82 82	68 3.9 82 82								

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

P ... [kW]
I ... [A]
i [-]
c [-]



$M_{2\ GN} \leq 450$ Nm

12HC35	12LC20	12LC41	14DC15	14DC36	14HC15	14HC32	14LC15	14LC32	14PC14	14PC32	GKR06-2S			
...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00				
7.50	13.50	11.00	9.20	7.50	16.00	14.00	23.00	17.20	30.00	21.00	M_1	J_G	$M_{2\ GN}$	i
3525	1950	4050	1500	3600	1500	3225	1500	3225	1350	3225	n_1			
	11.8										$I_{M\ 230}$			
5.7	5.9	10.2	4.5	7.5	6.6	11.9	9.7	15.0	10.8	15.6	$I_{M\ 400}$			
2.80	2.80	4.70	1.45	2.80	2.50	4.70	3.60	5.80	4.20	7.10	P_N			
7.42	10.72	10.72	8.22	8.22	14.32	14.32	23.44	23.44	34.74	34.82	J_M			
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.63	416	25.309
178 2.1 139 139	323 1.4 77 77	263 1.4 160 150									M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.63	450	25.309
197 1.9 126 126	357 1.3 70 70	291 1.3 145 130									M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.59	450	27.903
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.46	291	31.481
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.46	431	31.481
223 1.7 112 112	403 1.1 62 62	329 1.1 129 129									M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.46	450	31.481
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.43	321	34.708
246 1.6 102 102	445 1.0 56 56	363 1.0 117 114									M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.43	450	34.708
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.28	302	40.741
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.28	447	40.741
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.27	333	44.917
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.27	450	44.917
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.21	306	49.444

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

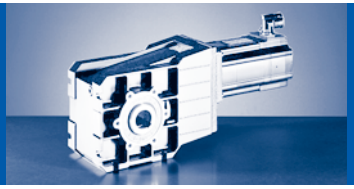
P ... [kW]
I ... [A]
i [-]
c [-]

$M_{2\,GN} \leq 450$ Nm

GKR06-2S				06FC41	06IC41	09DC41	09FC38	09HC41	09LC41	12DC20	12DC41	12HC15	12HC30
				...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00
i	$M_{2\,GN}$	J_G	M_1	1.20	1.50	2.30	3.10	3.80	4.50	5.50	4.30	10.00	8.00
			n_1	4050	4050	4050	3750	4050	4050	1950	4050	1500	3000
			$I_{M\,230}$	2.9	3.2	4.6	5.0	6.8	8.4	5.2	8.8	7.6	10.5
			$I_{M\,400}$	1.5	1.6	2.3	2.5	3.4	4.2	2.6	4.5	3.8	
			P_N	0.51	0.64	1.00	1.20	1.60	1.90	1.10	1.80	1.60	2.50
			J_M	0.25	0.33	1.13	1.53	1.93	2.83	4.12	4.12	7.42	7.42
49.444	450	0.21	M_2			105	143	176	209				
			c			3.8	2.9	2.3	1.9				
			$n_{2\,Eck}$			82	76	82	82				
			$n_{2\,th}$			82	76	82	82				
54.513	337	0.20	M_2	60	75								
			c	4.9	3.9								
			$n_{2\,Eck}$	74	74								
			$n_{2\,th}$	74	74								
54.513	450	0.20	M_2			116	158	195	231				
			c			3.4	2.6	2.1	1.8				
			$n_{2\,Eck}$			74	69	74	74				
			$n_{2\,th}$			74	69	74	74				
62.500	302	0.13	M_2	69	87								
			c	3.8	3.1								
			$n_{2\,Eck}$	65	65								
			$n_{2\,th}$	65	65								
68.906	333	0.13	M_2	76	96								
			c	3.8	3.1								
			$n_{2\,Eck}$	59	59								
			$n_{2\,th}$	59	59								

M ... [Nm]
n ... [r/min]
J ... [kgcm^2]

P ... [kW]
I ... [A]
i [-]
c [-]



$M_{2\ GN} \leq 450$ Nm

12HC35	12LC20	12LC41	14DC15	14DC36	14HC15	14HC32	14LC15	14LC32	14PC14	14PC32	GKR06-2S			
...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00	...S00				
7.50	13.50	11.00	9.20	7.50	16.00	14.00	23.00	17.20	30.00	21.00	M_1	J_G	$M_{2\ GN}$	i
3525	1950	4050	1500	3600	1500	3225	1500	3225	1350	3225	n_1			
	11.8										$I_{M\ 230}$			
5.7	5.9	10.2	4.5	7.5	6.6	11.9	9.7	15.0	10.8	15.6	$I_{M\ 400}$			
2.80	2.80	4.70	1.45	2.80	2.50	4.70	3.60	5.80	4.20	7.10	P_N			
7.42	10.72	10.72	8.22	8.22	14.32	14.32	23.44	23.44	34.74	34.82	J_M			
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.21	450	49.444
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.20	337	54.513
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.20	450	54.513
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.13	302	62.500
											M_2 c $n_{2\ Eck}$ $n_{2\ th}$	0.13	333	68.906

M ... [Nm]
n ... [r/min]
J ... [kgcm^2]

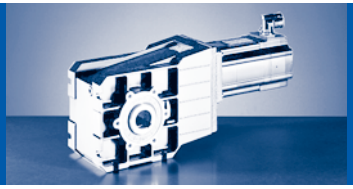
P ... [kW]
I ... [A]
i [-]
c [-]

$M_{2\,GN} \leq 90$ Nm

GKR04-2A				10IC40	13IC34	13IC41
				...S00	...F10	...S00
i	$M_{2\,GN}$	J_G	M_1	2.00	6.30	4.00
			n_1	3950	3410	4050
			$I_{M\,400}$	2.4	6.0	4.4
			P_N	0.80	2.20	1.70
			J_M	2.44	8.34	8.34
5.185	69	0.81	M_2	9	31	19
			c	5.1	1.7	2.5
			$n_{2\,Eck}$	762	658	781
			$n_{2\,th}$	697	533	611
5.963	72	0.72	M_2	11	35	22
			c	4.6	1.5	2.3
			$n_{2\,Eck}$	662	572	679
			$n_{2\,th}$	597	441	521
7.111	78	0.45	M_2	13	42	27
			c	4.2	1.4	2.1
			$n_{2\,Eck}$	556	480	570
			$n_{2\,th}$	543	404	480
8.178	81	0.41	M_2	15	49	31
			c	3.8	1.3	1.9
			$n_{2\,Eck}$	483	417	495
			$n_{2\,th}$	465	337	404
9.101	84	3.27	M_2	17	54	34
			c	3.5	1.2	1.8
			$n_{2\,Eck}$	434	375	445
			$n_{2\,th}$	434	342	414
10.466	89	0.30	M_2	19	63	40
			c	3.2	1.1	1.6
			$n_{2\,Eck}$	377	326	387
			$n_{2\,th}$	377	286	343
11.449	90	0.26	M_2	21		43
			c	3.0		1.5
			$n_{2\,Eck}$	345		354
			$n_{2\,th}$	345		316
12.698	90	1.99	M_2	24		48
			c	2.7		1.3
			$n_{2\,Eck}$	311		319
			$n_{2\,th}$	311		312
14.603	90	0.18	M_2	27		55
			c	2.4		1.2
			$n_{2\,Eck}$	271		277
			$n_{2\,th}$	270		258
15.556	90	1.47	M_2	29		59
			c	2.2		1.1
			$n_{2\,Eck}$	254		260
			$n_{2\,th}$	254		260
17.889	90	0.14	M_2	34		
			c	1.9		
			$n_{2\,Eck}$	221		
			$n_{2\,th}$	221		
19.556	90	0.10	M_2	37		
			c	1.8		
			$n_{2\,Eck}$	202		
			$n_{2\,th}$	202		
22.489	90	0.09	M_2	42		
			c	1.5		
			$n_{2\,Eck}$	176		
			$n_{2\,th}$	176		

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

P ... [kW]
I ... [A]
i [-]
c [-]



$M_{2\,GN} \leq 90$ Nm

GKR04-2A				10IC40	13IC34	13IC41
				...S00	...F10	...S00
i	$M_{2\,GN}$	J_G	M_1	2.00	6.30	4.00
			n_1	3950	3410	4050
			$I_{M\,400}$	2.4	6.0	4.4
			P_N	0.80	2.20	1.70
			J_M	2.44	8.34	8.34
25.185	90	0.07	M_2 c $n_{2\,Eck}$ $n_{2\,th}$	48 1.6 157 157		
28.963	90	0.06	M_2 c $n_{2\,Eck}$ $n_{2\,th}$	55 1.4 136 136		

M ... [Nm]
n ... [r/min]
J ... [kgcm^2]

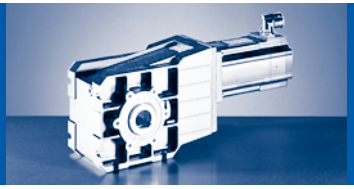
P ... [kW]
I ... [A]
i [-]
c [-]

$M_{2\,GN} \leq 240$ Nm

GKR05-2A				10IC40	13IC34	13IC41	14LC16	14LC20	14LC35	14LC41
				...S00	...F10	...S00	...F10	...S00	...F10	...S00
i	$M_{2\,GN}$	J_G	M_1	2.00	6.30	4.00	12.00	6.70	10.80	5.40
			n_1	3950	3410	4050	1635	2000	3455	4100
			$I_{M\,400}$	2.4	6.0	4.4	4.8	3.3	9.1	5.8
			P_N	0.80	2.20	1.70	2.10	1.40	3.90	2.30
			J_M	2.44	8.34	8.34	19.32	19.24	19.24	19.24
3.565	138	4.95	M_2		20		40	22	36	17
			c		4.9		3.3	5.5	2.9	5.4
			$n_{2\,Eck}$		957		459	561	969	1150
			$n_{2\,th}$		843		459	561	757	858
4.889	147	2.79	M_2		28	18	55	30	50	24
			c		3.8	5.7	2.6	4.3	2.2	4.2
			$n_{2\,Eck}$		698	828	334	409	707	839
			$n_{2\,th}$		687	739	334	409	616	699
6.257	156	1.79	M_2		37	23	70	39	64	31
			c		3.2	4.7	2.1	3.6	1.8	3.5
			$n_{2\,Eck}$		545	647	261	320	552	655
			$n_{2\,th}$		545	608	261	320	501	574
6.883	179	2.57	M_2		40	25	77	43	70	34
			c		3.3	4.9	2.2	3.7	1.9	3.6
			$n_{2\,Eck}$		495	588	238	291	502	596
			$n_{2\,th}$		404	437	238	291	356	412
7.817	187	2.32	M_2		46	29	88	48	80	39
			c		3.0	4.5	2.0	3.4	1.8	3.3
			$n_{2\,Eck}$		436	518	209	256	442	525
			$n_{2\,th}$		350	379	209	256	299	356
9.440	191	1.53	M_2		56	35	107	59	96	48
			c		2.6	3.8	1.7	2.9	1.5	2.8
			$n_{2\,Eck}$		361	429	173	212	366	434
			$n_{2\,th}$		329	356	173	212	266	335
10.720	204	1.40	M_2		63	40	121	67	110	54
			c		2.4	3.6	1.6	2.7	1.4	2.7
			$n_{2\,Eck}$		318	378	153	187	322	383
			$n_{2\,th}$		286	310	153	187	227	292
12.081	208	1.02	M_2		71	45	137	76	124	61
			c		2.2	3.3	1.5	2.5	1.3	2.4
			$n_{2\,Eck}$		282	335	135	166	286	339
			$n_{2\,th}$		274	295	135	166	218	279
13.216	214	0.87	M_2		78	49	150	83	135	67
			c		2.1	3.1	1.4	2.3	1.2	2.3
			$n_{2\,Eck}$		258	307	124	151	261	310
			$n_{2\,th}$		258	277	124	151	204	262
13.719	217	0.94	M_2		81	51	156	86	141	69
			c		2.0	3.0	1.4	2.3	1.2	2.2
			$n_{2\,Eck}$		249	295	119	146	252	299
			$n_{2\,th}$		238	256	119	146	185	242
15.008	223	0.81	M_2	27	89	56	171	94	154	76
			c	5.7	1.9	2.8	1.3	2.1	1.1	2.1
			$n_{2\,Eck}$	263	227	270	109	133	230	273
			$n_{2\,th}$	263	221	240	109	133	174	227
16.857	240	0.60	M_2	31	100	63	192	106	173	86
			c	5.4	1.8	2.7	1.2	2.0	1.1	2.0
			$n_{2\,Eck}$	234	202	240	97	119	205	243
			$n_{2\,th}$	234	202	240	97	119	178	213
19.143	240	0.55	M_2	35	114	72	218	121		97
			c	4.8	1.6	2.4	1.1	1.8		1.8
			$n_{2\,Eck}$	206	178	212	85	105		214
			$n_{2\,th}$	206	178	212	85	104		188

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

P ... [kW]
I ... [A]
i [-]
c [-]



$M_{2\,GN} \leq 240$ Nm

GKR05-2A				10IC40	13IC34	13IC41	14LC16	14LC20	14LC35	14LC41
				...S00	...F10	...S00	...F10	...S00	...F10	...S00
i	$M_{2\,GN}$	J_G	M_1	2.00	6.30	4.00	12.00	6.70	10.80	5.40
			n_1	3950	3410	4050	1635	2000	3455	4100
			$I_{M\,400}$	2.4	6.0	4.4	4.8	3.3	9.1	5.8
			P_N	0.80	2.20	1.70	2.10	1.40	3.90	2.30
			J_M	2.44	8.34	8.34	19.32	19.24	19.24	19.24
20.650	240	0.44	M_2	38	123	77		131		105
			c	4.4	1.5	2.2		1.7		1.6
			$n_{2\,Eck}$	191	165	196		97		199
			$n_{2\,th}$	191	165	196		97		174
23.450	240	0.41	M_2	43	140	88		149		120
			c	3.9	1.3	1.9		1.5		1.4
			$n_{2\,Eck}$	168	145	173		85		175
			$n_{2\,th}$	168	145	173		85		153
26.878	240	0.27	M_2	50	160	101				
			c	3.9	1.3	1.9				
			$n_{2\,Eck}$	147	127	151				
			$n_{2\,th}$	147	127	151				
30.522	240	0.25	M_2	57	182	115				
			c	3.4	1.1	1.7				
			$n_{2\,Eck}$	129	112	133				
			$n_{2\,th}$	129	112	133				
33.433	240	0.19	M_2	62	200	126				
			c	3.1	1.0	1.5				
			$n_{2\,Eck}$	118	102	121				
			$n_{2\,th}$	118	102	121				
37.967	240	0.18	M_2	71		144				
			c	2.7		1.4				
			$n_{2\,Eck}$	104		107				
			$n_{2\,th}$	104		107				
43.267	240	0.12	M_2	81						
			c	2.7						
			$n_{2\,Eck}$	91						
			$n_{2\,th}$	91						
49.133	240	0.11	M_2	92						
			c	2.4						
			$n_{2\,Eck}$	80						
			$n_{2\,th}$	80						
52.510	240	0.09	M_2	99						
			c	2.2						
			$n_{2\,Eck}$	75						
			$n_{2\,th}$	75						
59.630	240	0.08	M_2	112						
			c	1.9						
			$n_{2\,Eck}$	66						
			$n_{2\,th}$	66						

M ... [Nm]
n ... [r/min]
J ... [kgcm^2]

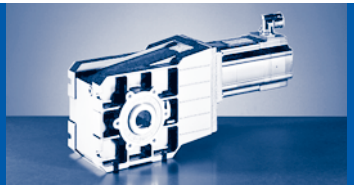
P ... [kW]
I ... [A]
i [-]
c [-]

$M_{2\,GN} \leq 450$ Nm

GKR06-2A				10IC40	13IC34	13IC41	14LC16	14LC20	14LC35	14LC41	17NC17	17NC23	17NC35	17NC41
				...S00	...F10	...S00	...F10	...S00	...F10	...S00	...F10	...S00	...F10	...S00
i	$M_{2\,GN}$	J_G	M_1	2.00	6.30	4.00	12.00	6.70	10.80	5.40	21.50	10.80	19.00	9.50
			n_1	3950	3410	4050	1635	2000	3455	4100	1680	2300	3480	4110
			$I_{M\,400}$	2.4	6.0	4.4	4.8	3.3	9.1	5.8	8.5	5.5	15.8	10.2
			P_N	0.80	2.20	1.70	2.10	1.40	3.90	2.30	3.80	2.60	6.90	4.10
			J_M	2.44	8.34	8.34	19.32	19.24	19.24	19.24	36.04	36.04	36.04	36.04
3.431	200	9.58	M_2				37		34		69	34	61	30
			c				5.0		4.3		2.8	4.9	2.4	4.6
			$n_{2\,Eck}$				477		1007		490	670	1014	1198
			$n_{2\,th}$				476		722		490	670	638	733
4.706	250	5.61	M_2				52		47		95	47	84	41
			c				4.5		3.9		2.5	4.5	2.2	4.2
			$n_{2\,Eck}$				347		734		357	489	740	873
			$n_{2\,th}$				347		600		357	489	531	608
6.022	241	3.66	M_2		34									
			c		5.1									
			$n_{2\,Eck}$		566									
			$n_{2\,th}$		566									
6.022	280	3.66	M_2				67		60		121	60	108	53
			c				4.0		3.4		2.2	3.9	2.0	3.7
			$n_{2\,Eck}$				272		574		279	382	578	683
			$n_{2\,th}$				271		529		279	382	467	517
6.481	350	5.11	M_2				71		64		130	64	115	56
			c				4.6		4.0		2.6	4.6	2.3	4.3
			$n_{2\,Eck}$				252		533		259	355	537	634
			$n_{2\,th}$				252		376		259	355	332	382
7.146	348	4.54	M_2				79		71		144	71	128	63
			c				4.2		3.6		2.3	4.1	2.0	3.9
			$n_{2\,Eck}$				229		484		235	322	487	575
			$n_{2\,th}$				229		334		235	322	294	339
8.889	408	3.23	M_2				98		89		179	88	159	78
			c				3.9		3.4		2.2	3.9	1.9	3.6
			$n_{2\,Eck}$				184		389		189	259	392	462
			$n_{2\,th}$				184		308		189	259	270	313
9.800	384	2.93	M_2				109	59	99	48	198	98	176	86
			c				3.3	5.6	2.9	5.5	1.9	3.3	1.6	3.1
			$n_{2\,Eck}$				167	204	353	418	171	235	355	419
			$n_{2\,th}$				167	204	270	307	171	235	223	274
11.376	436	2.21	M_2		65		127	69	114	56	230	114	204	100
			c		4.9		3.3	5.5	2.8	5.3	1.8	3.2	1.6	3.0
			$n_{2\,Eck}$		300		144	176	304	360	148	202	306	361
			$n_{2\,th}$		300		144	176	269	305	148	202	220	273
12.444	450	1.89	M_2		72		139	76	125	61	252	125	223	110
			c		4.6		3.1	5.2	2.7	5.0	1.7	3.1	1.5	2.9
			$n_{2\,Eck}$		274		131	161	278	330	135	185	280	330
			$n_{2\,th}$		274		131	161	252	284	135	185	204	250
13.720	426	1.73	M_2		80	49	154	84	139	68	279	138	247	122
			c		4.0	5.9	2.7	4.4	2.3	4.3	1.5	2.6	1.3	2.5
			$n_{2\,Eck}$		249	295	119	146	252	299	123	168	254	300
			$n_{2\,th}$		247	265	119	146	221	251	122	168	171	225
15.873	450	1.32	M_2		92	58	178	98	161	79	323	160	286	141
			c		3.6	5.4	2.4	4.1	2.1	4.0	1.3	2.4	1.2	2.3
			$n_{2\,Eck}$		215	255	103	126	218	258	106	145	219	259
			$n_{2\,th}$		215	247	103	126	209	226	106	145	163	196
17.500	450	1.23	M_2		102	64	197	108	178	87	357	177	316	156
			c		3.3	4.9	2.2	3.7	1.9	3.6	1.2	2.2	1.1	2.0
			$n_{2\,Eck}$		195	231	93	114	197	234	96	131	199	235
			$n_{2\,th}$		195	221	93	114	184	205	96	131	142	178

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

P ... [kW]
I ... [A]
i [-]
c [-]

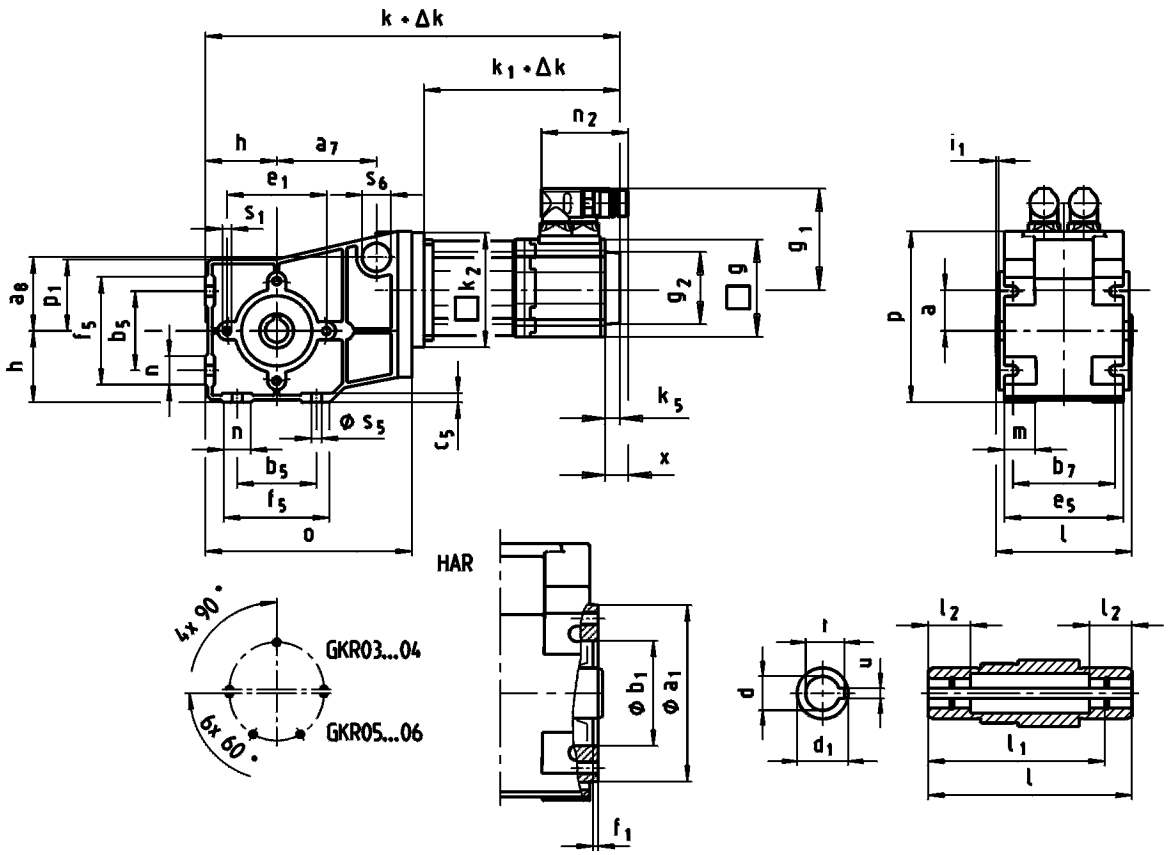


$M_{2\,GN} \leq 450$ Nm

GKR06-2A				10IC40	13IC34	13IC41	14LC16	14LC20	14LC35	14LC41	17NC17	17NC23	17NC35	17NC41
				...S00	...F10	...S00	...F10	...S00	...F10	...S00	...F10	...S00	...F10	...S00
i	$M_{2\,GN}$	J_G	M_1	2.00	6.30	4.00	12.00	6.70	10.80	5.40	21.50	10.80	19.00	9.50
			n_1	3950	3410	4050	1635	2000	3455	4100	1680	2300	3480	4110
			$I_{M\,400}$	2.4	6.0	4.4	4.8	3.3	9.1	5.8	8.5	5.5	15.8	10.2
			P_N	0.80	2.20	1.70	2.10	1.40	3.90	2.30	3.80	2.60	6.90	4.10
			J_M	2.44	8.34	8.34	19.32	19.24	19.24	19.24	36.04	36.04	36.04	36.04
19.444	450	0.99	M_2		114	71	219	121	198	97	397	198		174
			c		2.9	4.4	2.0	3.3	1.7	3.2	1.1	2.0		1.8
			$n_{2\,Eck}$		175	208	84	103	178	211	86	118		211
			$n_{2\,th}$		175	208	84	103	178	185	86	118		160
21.438	450	0.93	M_2		126	79	242	134	219	108		218		192
			c		2.7	4.0	1.8	3.0	1.6	2.9		1.8		1.7
			$n_{2\,Eck}$		159	189	76	93	161	191		107		192
			$n_{2\,th}$		159	189	76	93	159	167		107		145
25.309	450	0.63	M_2		149	93	287	158	258	127				
			c		2.6	3.8	1.6	2.8	1.5	2.8				
			$n_{2\,Eck}$		135	160	65	79	137	162				
			$n_{2\,th}$		135	160	65	79	137	142				
27.903	450	0.59	M_2		165	103	317	175	285	141				
			c		2.3	3.5	1.4	2.5	1.4	2.6				
			$n_{2\,Eck}$		122	145	59	72	124	147				
			$n_{2\,th}$		122	145	59	72	124	129				
31.481	450	0.46	M_2		186	117	358	198	322	159				
			c		2.1	3.1	1.3	2.3	1.2	2.3				
			$n_{2\,Eck}$		108	129	52	64	110	130				
			$n_{2\,th}$		108	129	52	64	110	114				
34.708	450	0.43	M_2	63	206	129	395	219	356	176				
			c	5.6	1.9	2.8	1.1	2.0	1.1	2.1				
			$n_{2\,Eck}$	114	98	117	47	58	100	118				
			$n_{2\,th}$	114	98	117	47	58	100	103				
40.741	450	0.28	M_2	74	242	152								
			c	5.3	1.8	2.6								
			$n_{2\,Eck}$	97	84	99								
			$n_{2\,th}$	97	84	99								
44.917	450	0.27	M_2	82	267	168								
			c	4.8	1.6	2.4								
			$n_{2\,Eck}$	88	76	90								
			$n_{2\,th}$	88	76	90								
49.444	450	0.21	M_2	91	295	186								
			c	4.4	1.5	2.2								
			$n_{2\,Eck}$	80	69	82								
			$n_{2\,th}$	80	69	82								
54.513	450	0.20	M_2	100	325	205								
			c	4.0	1.3	2.0								
			$n_{2\,Eck}$	73	63	74								
			$n_{2\,th}$	72	63	74								
62.500	378	0.13	M_2	116										
			c	2.9										
			$n_{2\,Eck}$	63										
			$n_{2\,th}$	63										
68.906	417	0.13	M_2	128										
			c	2.9										
			$n_{2\,Eck}$	57										
			$n_{2\,th}$	57										

M ... [Nm]
n ... [r/min]
J ... [kgcm²]

P ... [kW]
I ... [A]
i [-]
c [-]

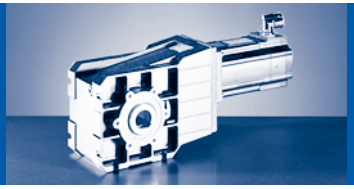


GKR□□-2S H□R ... RSO

		06C C41	06F C41	06I C41	09D C41	09F C38	09H C41	09L C41	12D C20	12D C41	12H C15	12H C30	12H C35	12L C20	12L C41
GKR03...	k	294	324	354											
GKR04...	k	331	361	391	383	403	423	463							
GKR05...	k	384	414	444	437	457	477	517	454		494			534	
GKR06...	k	436	466	496	488	508	528	568	505		545			585	
...RSO B0 [1]	Δ k	0													
...RSO P□ [1]	Δ k	19			20										
	k_1	132	162	192	183	203	223	263	188		228			268	
	k_2	66			91				118 145 [2]						
	g	62			89				116						
...RSO	k_5	0			13				14						
	g_2	□ 62			Ø 67				Ø 72						
	g_1	76			90				105						
	n_2	64			78										
	x	21							18						

[1] → 801 - SRS/SRM/ECN/EQN/EQI/C20

[2] GKR05: 12DC20 ... 12LC41



GKR□□-2S H□R ... RSO

		14D C15	14D C36	14H C15	14H C32	14L C15	14L C32	14P C14	14P C32
GKR06...	k	521		561		601		641	
...RSO B0 [1]	Δ k	0							
...RSO P□ [1]	Δ k	28							
	k_1	201		241		281		321	
	k_2	145							
	g	143							
...RSO	k_5	24							
	g_2	Ø 78							
	g_1	116				147		116	147
	n_2	78				94		78	94
	x	16				38		16	38

[1] → 801 - SRS/SRM/ECN/EQN/EQI/C20

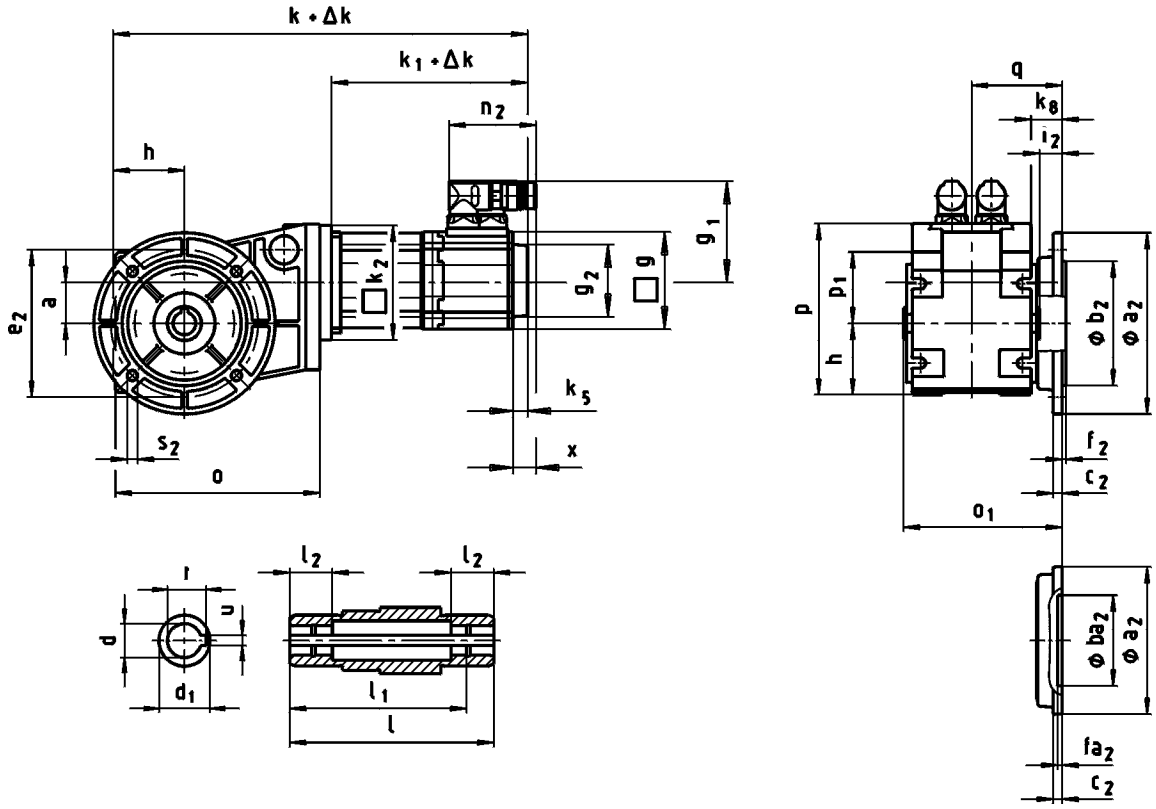
GKR□□-2S H□R

	o	p	p_1	h	a	a_7	a_8	s_6
GKR03...	142	117	48	50	29	66	39	25x12
GKR04...	189	151	63	63	36	88	65	25x17
GKR05...	251	181	82	80	40	-	-	-
GKR06...	307	226	100	100	51			

	b_5	b_7	c_5	e_5	f_5	m	n	s_5
GKR03...	60	75	7	90	80	22	20	6.6
GKR04...	70	90	8	105	95	28	25	9
GKR05...	100	100	11	115	138	27	48	
GKR06...	120	125	12	145	164	32	53	11

	d	l	d_1	l_1	l_2	u	t	a_1	b_1	e_1	f_1	i_1	s_1
	H7					JS9	+0,2		J7				
GKR03...	18	100	30	85	22	6	20.8	85	55	70	2.5	2.5	M6x12
	20						22.8						
GKR04...	25	120	35	105	25	8	27 [2]	104	62	88	3		M8x16
GKR05...	30	143	50	127			33.3	116	80	100	4	4	M8x15
	35					10	38.3						
GKR06...	40	170	65	150	30	12	43.3	140	100	120		5	M10x22
	45					14	48.8						

[2] DIN 6885/3

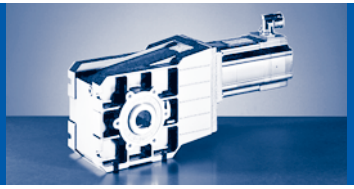


GKR□□-2S HAK ... RSO

		06C C41	06F C41	06I C41	09D C41	09F C38	09H C41	09L C41	12D C20	12D C41	12H C15	12H C30	12H C35	12L C20	12L C41
GKR03...	k	294	324	354											
GKR04...	k	331	361	391	383	403	423	463							
GKR05...	k	384	414	444	437	457	477	517	454			494		534	
GKR06...	k	436	466	496	488	508	528	568	505			545		585	
...RSO B0 [1]	Δ k	0													
...RSO P□ [1]	Δ k	19			20										
	k_1	132	162	192	183	203	223	263	188			228		268	
	k_2	66			91				118 145 [2]						
	g	62			89				116						
...RSO	k_5	0			13				14						
	g_2	□ 62			Ø 67				Ø 72						
	g_1	76			90				105						
	n_2	64			78										
	x	21							18						

[1] → 801 - SRS/SRM/ECN/EQN/EQI/C20

[2] GKR05: 12DC20 ... 12LC41



GKR□□-2S HAK ... RSO

		14D C15	14D C36	14H C15	14H C32	14L C15	14L C32	14P C14	14P C32
GKR06...	k	521		561		601		641	
...RSO B0 [1]	Δ k	0							
...RSO P□ [1]	Δ k	28							
	k_1	201		241		281		321	
	k_2	145							
	g	143							
...RSO	k_5	24							
	g_2	Ø 78							
	g_1	116				147		116	147
	n_2	78				94		78	94
	x	16				38		16	38

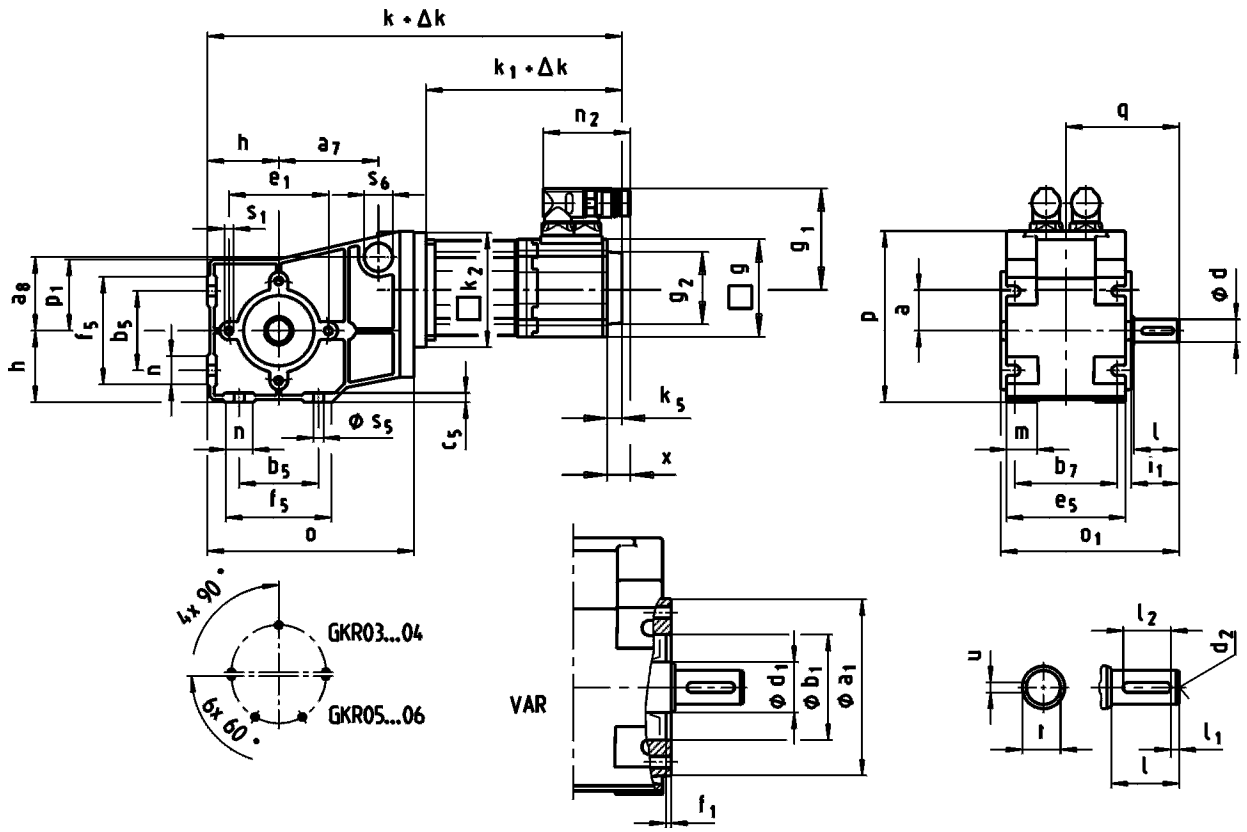
[1] → 801 - SRS/SRM/ECN/EQN/EQI/C20

GKR□□-2S HAK

	o	o_1	p	p_1	h	a	q	k_8
GKR03...	142	130	117	48	50	29	80	35
GKR04...	189	140	151	63	63	36		28
GKR05...	251	177	181	82	80	40	105	48
GKR06...	307	212	226	100	100	51	126.5	54

	d	l	d_1	l_1	l_2	u	t	a_2	b_2	ba_2	c_2	e_2	f_2	fa_2	i_2	s_2
	H7					JS9	+0,2		j7	H7						4x90°
GKR03...	18	100	30	85	22	6	20.8	110	-	60	8	87	-	4	30	9
	20						22.8	120	80	-		100	3	-		7
GKR04...	25	120	35	105	25	8	27 [2]	160	110			130	3.5		20	9
GKR05...	30	143	50	127			33.3				12				33.5	
	35					10	38.3	200	130			165				11
GKR06...	40	170	65	150	30	12	43.3								41.5	
	45					14	48.8	250	180			215	4			14

[2] DIN 6885/3

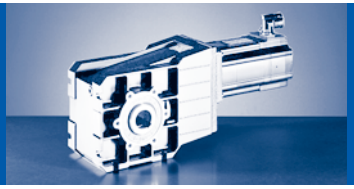


GKR□□-2S V□R ... RSO

		06C C41	06F C41	06I C41	09D C41	09F C38	09H C41	09L C41	12D C20	12D C41	12H C15	12H C30	12H C35	12L C20	12L C41
GKR03...	k	294	324	354											
GKR04...	k	331	361	391	383	403	423	463							
GKR05...	k	384	414	444	437	457	477	517	454		494			534	
GKR06...	k	436	466	496	488	508	528	568	505		545			585	
...RSO B0 [1]	Δ k	0													
...RSO P□ [1]	Δ k	19			20										
	k_1	132	162	192	183	203	223	263	188		228			268	
	k_2	66			91				118 145 [2]						
	g	62			89				116						
...RSO	k_5	0			13				14						
	g_2	□ 62			Ø 67				Ø 72						
	g_1	76			90				105						
	n_2	64			78										
	x	21							18						

[1] → 801 - SRS/SRM/ECN/EQN/EQI/C20

[2] GKR05: 12DC20 ... 12LC41



GKR□□-2S V□R ... RSO

		14D C15	14D C36	14H C15	14H C32	14L C15	14L C32	14P C14	14P C32
GKR06...	k	521		561		601		641	
...RSO B0 [1]	Δ k	0							
...RSO P□ [1]	Δ k	28							
	k_1	201		241		281		321	
	k_2	145							
	g	143							
...RSO	k_5	24							
	g_2	Ø 78							
	g_1	116				147		116	147
	n_2	78				94		78	94
	x	16				38		16	38

[1] → 801 - SRS/SRM/ECN/EQN/EQI/C20

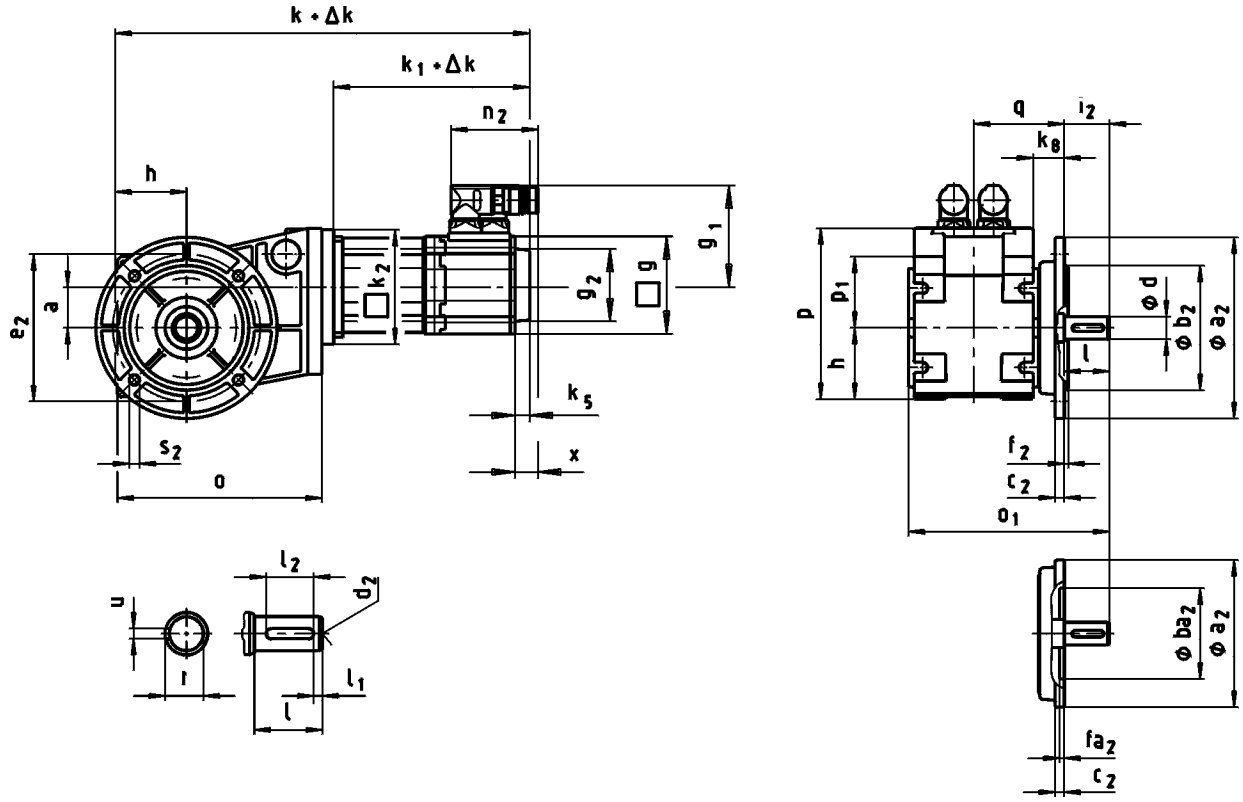
GKR□□-2S V□R

	o	o_1	p	p_1	h	a	q	a_7	a_8	s_6
GKR03...	142	138	117	48	50	29	90	66	39	25x12
GKR04...	189	158	151	63	63	36	100	88	65	25x17
GKR05...	251	199	181	82	80	40	131.5	-	-	-
GKR06...	307	235	226	100	100	51	155			

	b_5	b_7	c_5	e_5	f_5	m	n	s_5
GKR03...	60	75	7	90	80	22	20	6.6
GKR04...	70	90	8	105	95	28	25	9
GKR05...	100	100	11	115	138	27	48	
GKR06...	120	125	12	145	164	32	53	11

	d	l	d_1	l_1	l_2	d_2	u	t	a_1	b_1	e_1	f_1	i_1	s_1
										J7				
GKR03...	20	40	30	5	28	M6	6	22.5	85	55	70	2.5	42.5	M6x12
GKR04...									104	62	88	3		M8x16
GKR05...	30	60	50	6	45	M10	8	33	116	80	100	4	64	M8x15
GKR06...	35	70	65	7	56	M12	10	38	140	100	120		75	M10x22

d ≤ 50 mm: k6; d > 50 mm: m6

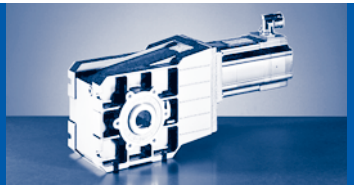


GKR□□-2S VAK ... RSO

		06C C41	06F C41	06I C41	09D C41	09F C38	09H C41	09L C41	12D C20	12D C41	12H C15	12H C30	12H C35	12L C20	12L C41
GKR03...	k	294	324	354											
GKR04...	k	331	361	391	383	403	423	463							
GKR05...	k	384	414	444	437	457	477	517	454			494		534	
GKR06...	k	436	466	496	488	508	528	568	505			545		585	
...RSO B0 [1]	Δ k	0													
...RSO P□ [1]	Δ k	19			20										
	k_1	132	162	192	183	203	223	263	188			228		268	
	k_2	66			91				118 145 [2]						
	g	62			89				116						
...RSO	k_5	0			13				14						
	g_2	□ 62			Ø 67				Ø 72						
	g_1	76			90				105						
	n_2	64			78										
	x	21							18						

[1] → 801 - SRS/SRM/ECN/EQN/EQI/C20

[2] GKR05: 12DC20 ... 12LC41



GKR□□-2S VAK ... RSO

		14D C15	14D C36	14H C15	14H C32	14L C15	14L C32	14P C14	14P C32
GKR06...	k	521		561		601		641	
...RSO B0 [1]	Δ k	0							
...RSO P□ [1]	Δ k	28							
	k_1	201		241		281		321	
	k_2	145							
	g	143							
...RSO	k_5	24							
	g_2	Ø 78							
	g_1	116				147		116	147
	n_2	78				94		78	94
	x	16				38		16	38

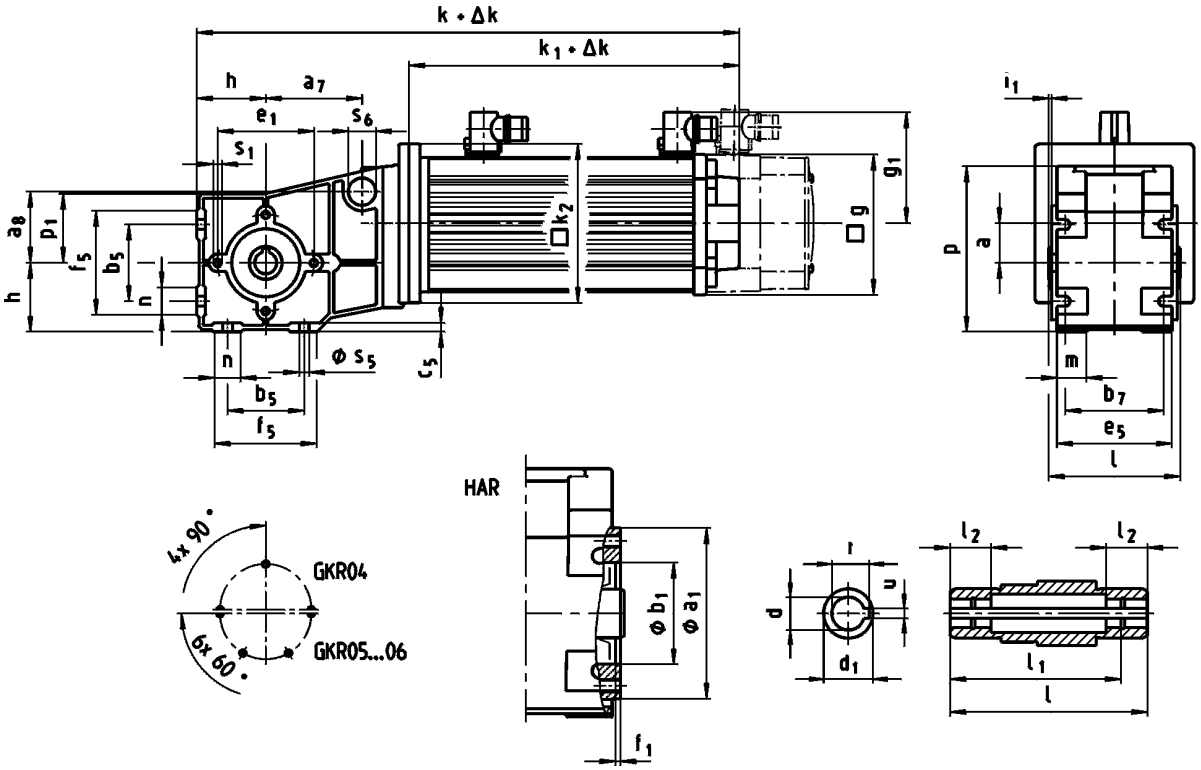
[1] → 801 - SRS/SRM/ECN/EQN/EQI/C20

GKR□□-2S VAK

	o	o_1	p	p_1	h	a	q	k_8
GKR03...	142	168	117	48	50	29	80	35
GKR04...	189	178	151	63	63	36	80.5	28
GKR05...	251	233	181	82	80	40	105	48
GKR06...	307	277	226	100	100	51	126.5	54

	d	l	l_1	l_2	d_2	u	t	a_2	b_2	ba_2	c_2	e_2	f_2	fa_2	i_2	s_2
									j7	H7						4x90°
GKR03...	20	40	5	28	M6	6	22.5	110	-	60	8	87	-	4	40	9
GKR04...								120	80	-		100	3	-		7
GKR05...	30	60	6	45	M10	8	33	160	110		12	130	3.5		60	9
GKR06...	35	70	7	56	M12	10	38	200	130			165			70	11
								250	180			215	4			14

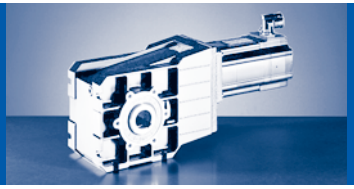
d ≤ 50 mm: k6; d > 50 mm: m6



GKR□□-2A H□R ... RSO

		10I C40 ...S00	13I C41 ...S00	13I C34 ...F10	14L C20 ...S00	14L C41 ...S00	14L C16 ...F10	14L C35 ...F10	17N C23 ...S00	17N C41 ...S00	17N C17 ...F10	17N C35 ...F10
GKR04...	k	459	467	535								
GKR05...	k	512	521	589	571		633					
GKR06...	k	564	572	640	622		684		661		750	
...RSO B0 [1]	Δ k	0										
...RSO P□ [1]	Δ k	25	35		33				35			
	k_1	258	267	335	307		369		346		435	
	k_2	145			180							
	g	102	131		142				165			
	g_1	90	102		109				118			

[1] → 803 - SRS/SRM/ECN/EQN/EQI/S20/T20/CDD



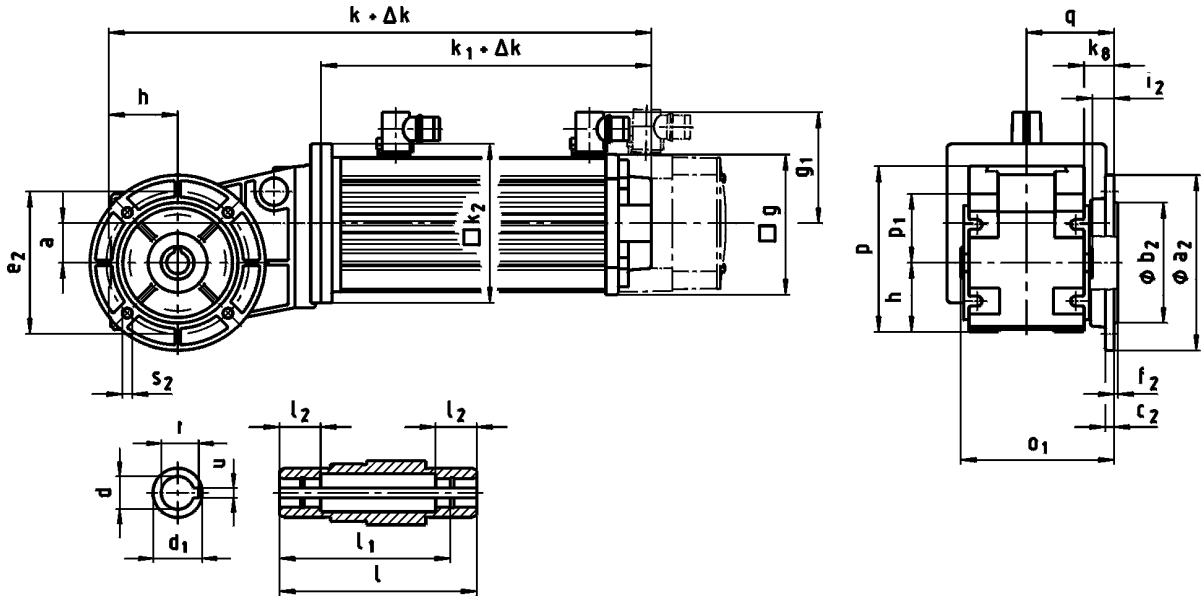
GKR□□-2A H□R

	o	p	p_1	h	a	a_7	a_8	s_6
GKR04...	189	151	63	63	36	88	65	25x17
GKR05...	251	181	82	80	40	-	-	-
GKR06...	307	226	100	100	51			

	b_5	b_7	c_5	e_5	f_5	m	n	s_5
GKR04...	70	90	8	105	95	28	25	9
GKR05...	100	100	11	115	138	27	48	
GKR06...	120	125	12	145	164	32	53	11

	d	l	d_1	l_1	l_2	u	t	a_1	b_1	e_1	f_1	i_1	s_1
	H7					JS9	+0,2		J7				
GKR04...	20	120	30	105	25	6	22.8	104	62	88	3	2.5	M8x16
	25		35			8	27 [1]						
GKR05...	30	143	50	127			33.3	116	80	100	4	4	M8x15
	35					10	38.3						
GKR06...	40	170	65	150	30	12	43.3	140	100	120		5	M10x22
	45					14	48.8						

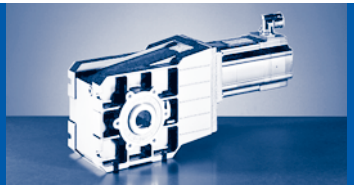
[1] DIN 6885/3



GKR□□-2A HAK ... RSO

		10I C40 ...S00	13I C41 ...S00	13I C34 ...F10	14L C20 ...S00	14L C41 ...S00	14L C16 ...F10	14L C35 ...F10	17N C23 ...S00	17N C41 ...S00	17N C17 ...F10	17N C35 ...F10
GKR04...	k	459	467	535								
GKR05...	k	512	521	589	571		633					
GKR06...	k	564	572	640	622		684		661		750	
...RSO B0 [1]	Δ k	0										
...RSO P□ [1]	Δ k	25	35		33				35			
	k_1	258	267	335	307		369		346		435	
	k_2	145			180							
	g	102	131		142				165			
	g_1	90	102		109				118			

[1] → 803 - SRS/SRM/ECN/EQN/EQI/S20/T20/CDD

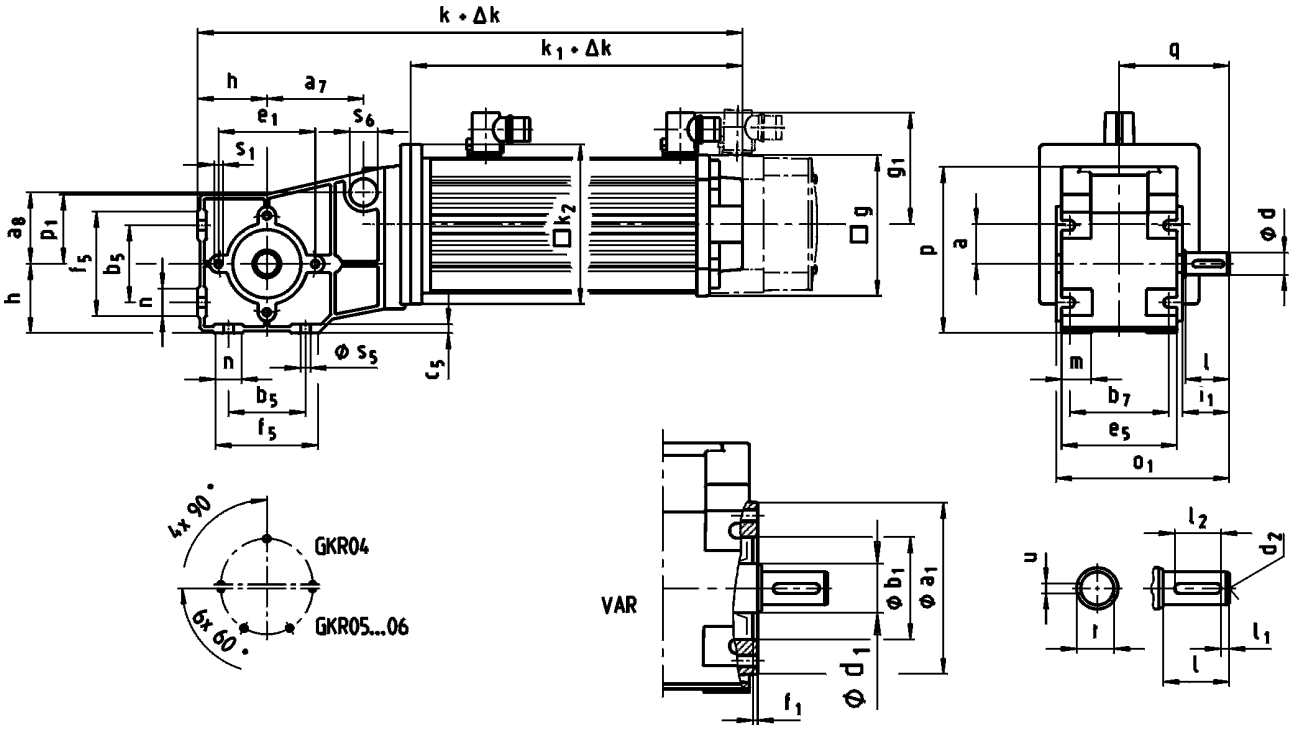


GKR□□-2A HAK

	o	o_1	p	p_1	h	a	q	k_8
GKR04...	189	140	151	63	63	36	80	28
GKR05...	251	177	181	82	80	40	105	48
GKR06...	307	212	226	100	100	51	126.5	54

	d	l	d_1	l_1	l_2	u	t	a_2	b_2	c_2	e_2	f_2	i_2	s_2
	H7					JS9	+0,2		j7					4x90°
GKR04...	20	120	30	105	25	6	22.8	120	80	8	100	3	20	7
	25		35			8	27 [1]	160	110		130	3.5		9
GKR05...	30	143	50	127			33.3			12			33.5	
	35					10	38.3	200	130		165			11
GKR06...	40	170	65	150	30	12	43.3						41.5	
	45					14	48.8	250	180		215	4		14

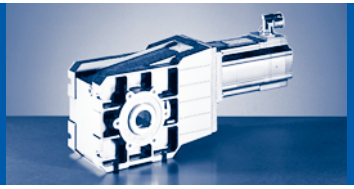
[1] DIN 6885/3



GKR□□-2A V□R ... RSO

		10I C40 ...S00	13I C41 ...S00	13I C34 ...F10	14L C20 ...S00	14L C41 ...S00	14L C16 ...F10	14L C35 ...F10	17N C23 ...S00	17N C41 ...S00	17N C17 ...F10	17N C35 ...F10
GKR04...	k	459	467	535								
GKR05...	k	512	521	589	571		633					
GKR06...	k	564	572	640	622		684		661		750	
...RSO B0 [1]	Δ k	0										
...RSO P□ [1]	Δ k	25	35		33				35			
	k_1	258	267	335	307		369		346		435	
	k_2	145			180							
	g	102	131		142				165			
	g_1	90	102		109				118			

[1] → 803 - SRS/SRM/ECN/EQN/EQI/S20/T20/CDD



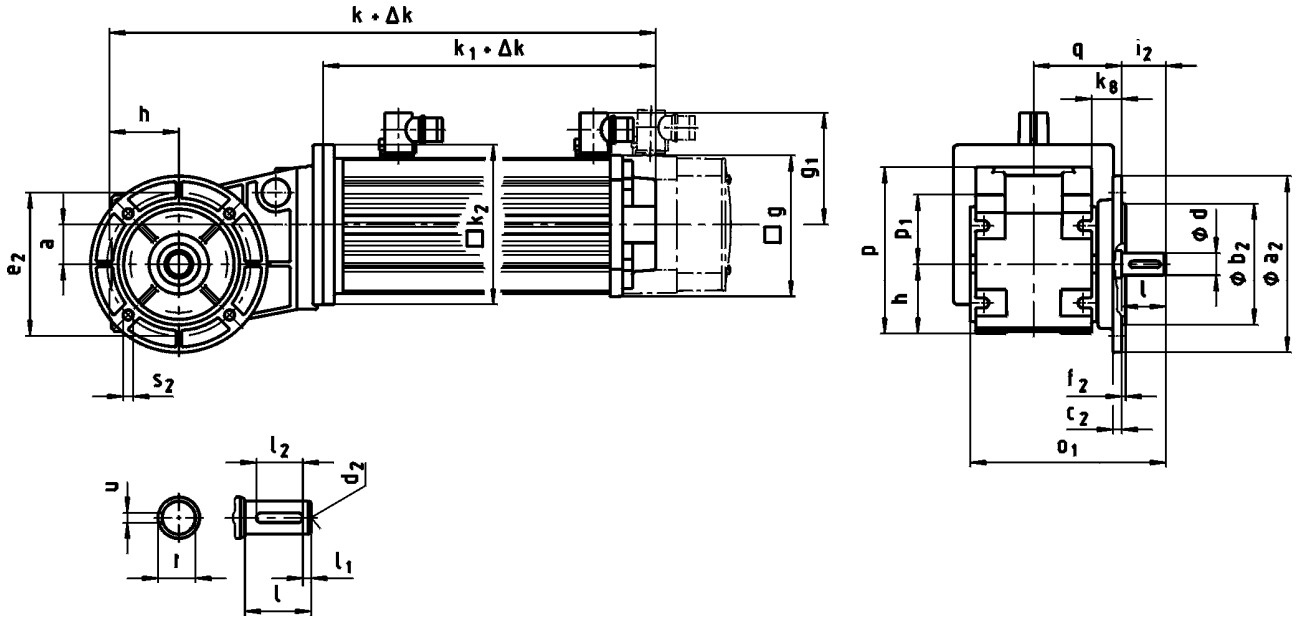
GKR□□-2A V□R

	o	o_1	p	p_1	h	a	q	a_7	a_8	s_6
GKR04...	189	158	151	63	63	36	100	88	65	25x17
GKR05...	251	199	181	82	80	40	131.5	-	-	-
GKR06...	307	235	226	100	100	51	155			

	b_5	b_7	c_5	e_5	f_5	m	n	s_5
GKR04...	70	90	8	105	95	28	25	9
GKR05...	100	100	11	115	138	27	48	
GKR06...	120	125	12	145	164	32	53	11

	d	l	d_1	l_1	l_2	d_2	u	t	a_1	b_1	e_1	f_1	i_1	s_1
										J7				
GKR04...	20	40	30	5	28	M6	6	22.5	104	62	88	3	42.5	M8x16
GKR05...	30	60	50	6	45	M10	8	33	116	80	100	4	64	M8x15
GKR06...	35	70	65	7	56	M12	10	38	140	100	120		75	M10x22

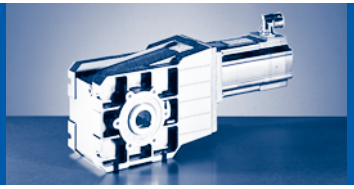
d ≤ 50 mm: k6; d > 50 mm: m6



GKR□□-2A VAK ... RSO

		10I C40 ...S00	13I C41 ...S00	13I C34 ...F10	14L C20 ...S00	14L C41 ...S00	14L C16 ...F10	14L C35 ...F10	17N C23 ...S00	17N C41 ...S00	17N C17 ...F10	17N C35 ...F10
GKR04...	k	459	467	535								
GKR05...	k	512	521	589	571		633					
GKR06...	k	564	572	640	622		684		661		750	
...RSO B0 [1]	Δ k	0										
...RSO P□ [1]	Δ k	25	35		33				35			
	k_1	258	267	335	307		369		346		435	
	k_2	145			180							
	g	102	131		142				165			
	g_1	90	102		109				118			

[1] → 803 - SRS/SRM/ECN/EQN/EQI/S20/T20/CDD



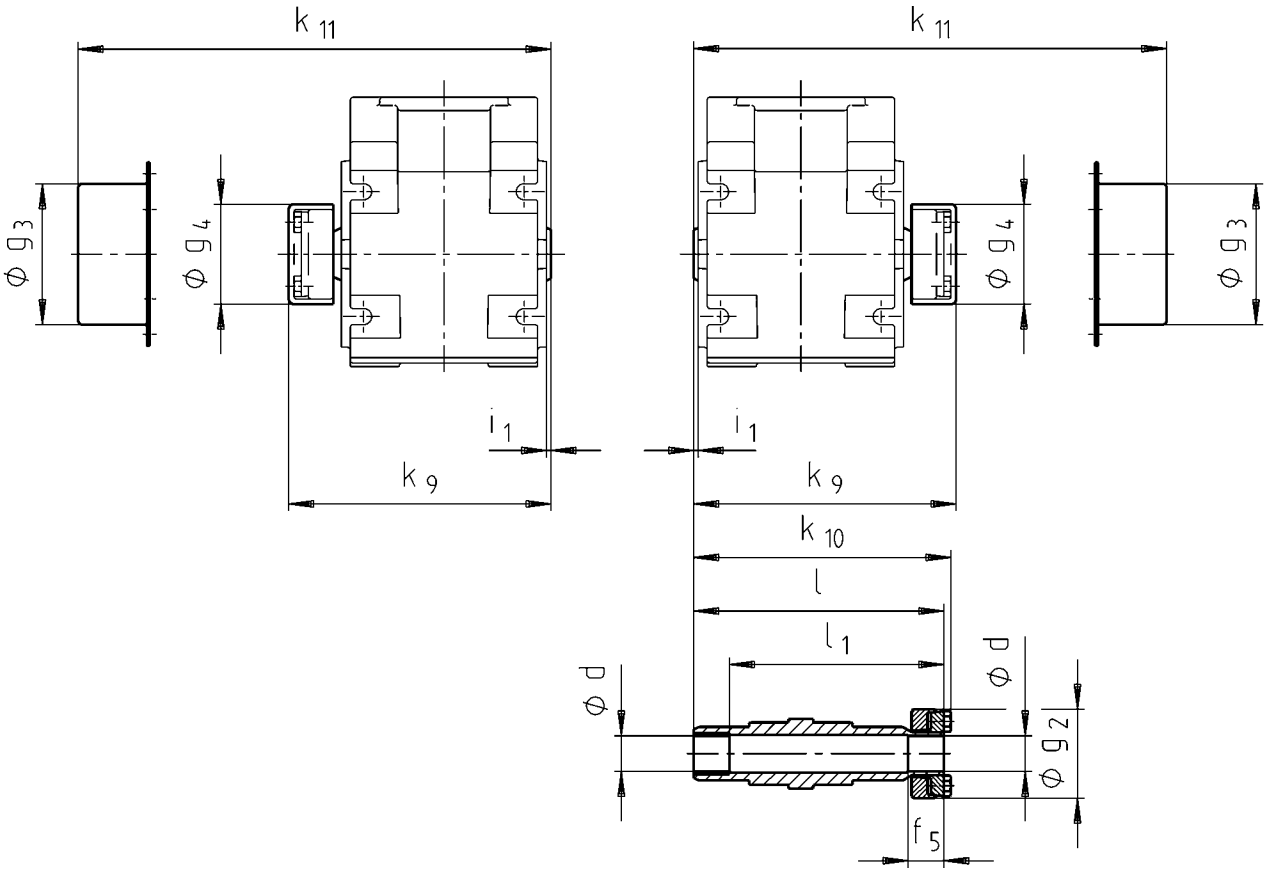
GKR□□-2A VAK

	o	o_1	p	p_1	h	a	q	k_8
GKR04...	189	178	151	63	63	36	80.5	28
GKR05...	251	233	181	82	80	40	105	48
GKR06...	307	277	226	100	100	51	126.5	54

	d	l	l_1	l_2	d_2	u	t	a_2	b_2	c_2	e_2	f_2	i_2	s_2
									j7					4x90°
GKR04...	20	40	5	28	M6	6	22.5	120	80	8	100	3	40	7
								160	110		130	3.5		9
GKR05...	30	60	6	45	M10	8	33			12			60	
								200	130		165			11
GKR06...	35	70	7	56	M12	10	38						70	
								250	180		215	4		14

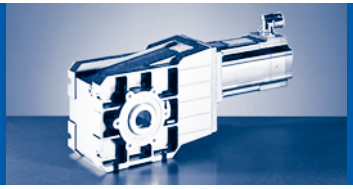
d ≤ 50 mm: k6; d > 50 mm: m6

Hollow shaft with shrink disc

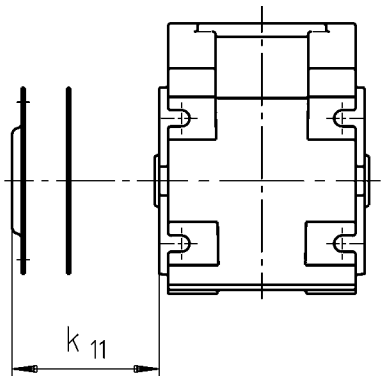


	Machine shaft	Hollow shaft with shrink disc						Protective cap		Cover	
	d	i_1	k_{10}	g_2	l	l_1	f_5	k_9	g_4	k_{11}	g_3
	h6										
GKR03...	20	2.5	124	50	120	100	20	126	54	138	65
GKR04...			144		140	120		146		158	79
GKR05...	30 35	4	177	80	171	151	28	179	84	182	90
GKR06...	40	5	210	90	204	174	30	212	94	214	100

- Ensure that the strength of the shaft material is adequate in shrink disc designs.
  When using typical steels (e.g. C45, 42CrMo4), the torques listed in the selection tables can be used without restriction.
  When using material that is considerably weaker, please consult us. Medium surface roughness Rz must not exceed 15 µm (turning operation is sufficient).

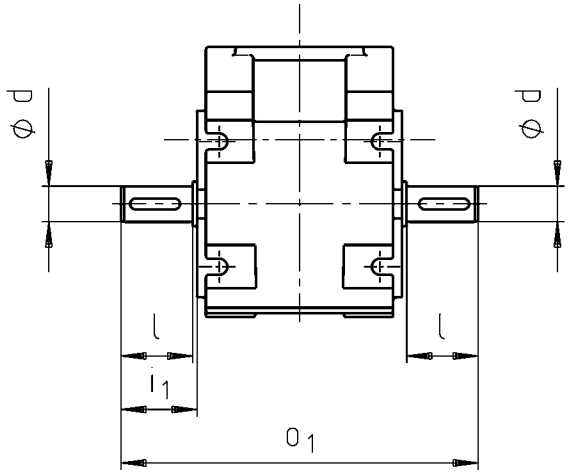


Hoseproof hollow shaft cover



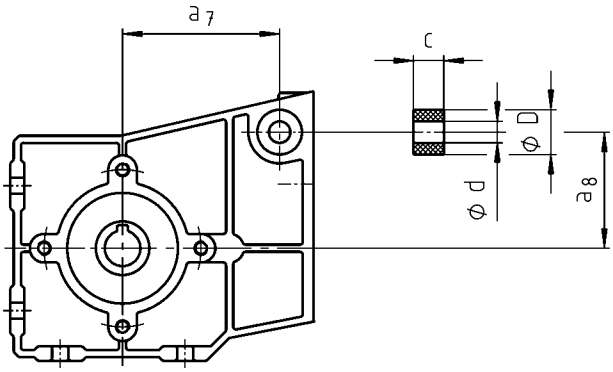
	Cover including seal
	k_{11}
GKR03...	9
GKR04...	
GKR05...	10
GKR06...	11

Gearbox with 2nd output shaft end

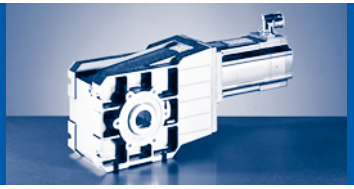


	d	l	i_1	o_1
GKR03...	20	40	42.5	180
GKR04...				200
GKR05...	30	60	64	263
GKR06...	35	70	75	310

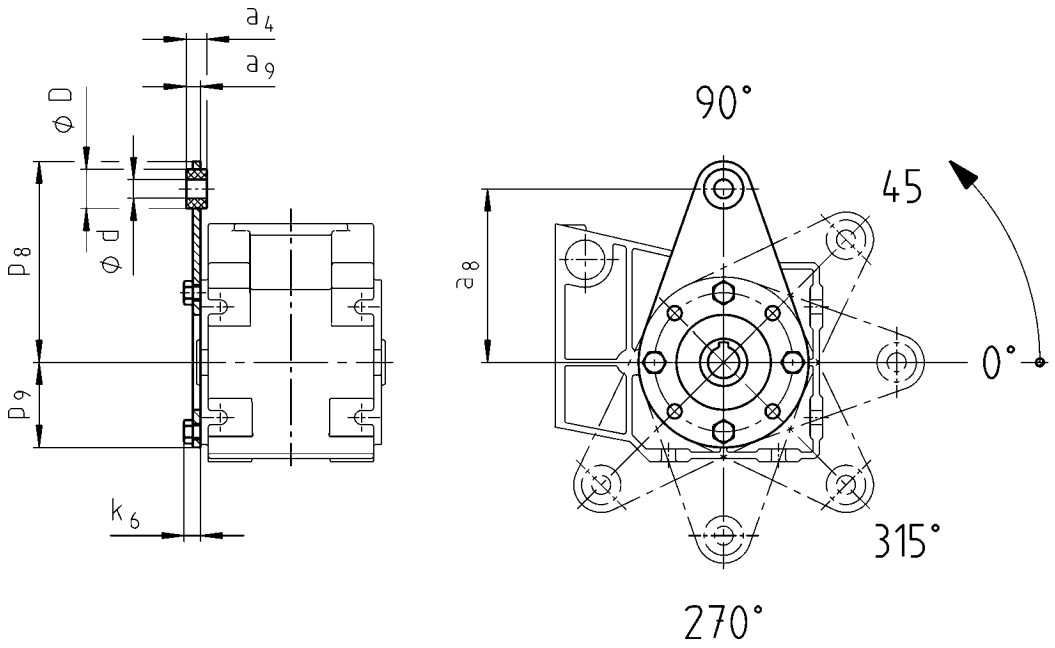
Rubber buffer for torque plate



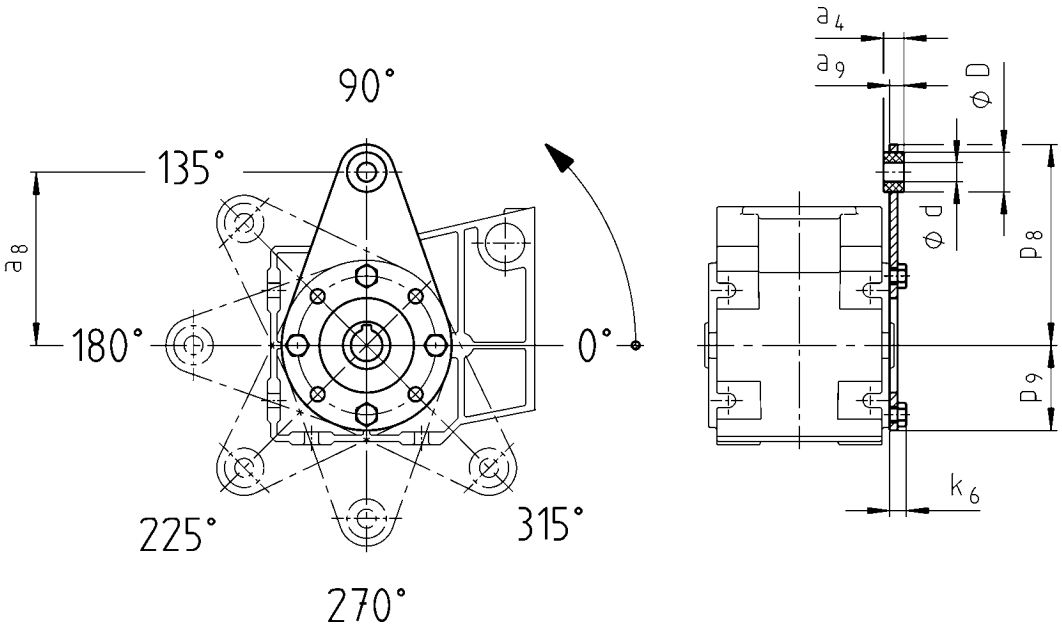
	d	D	c	a_7	a_8
GKR03...	10	25	13	66	39
GKR04...				88	65



GKR03/04
Torque plate at threaded hole circle in position 3

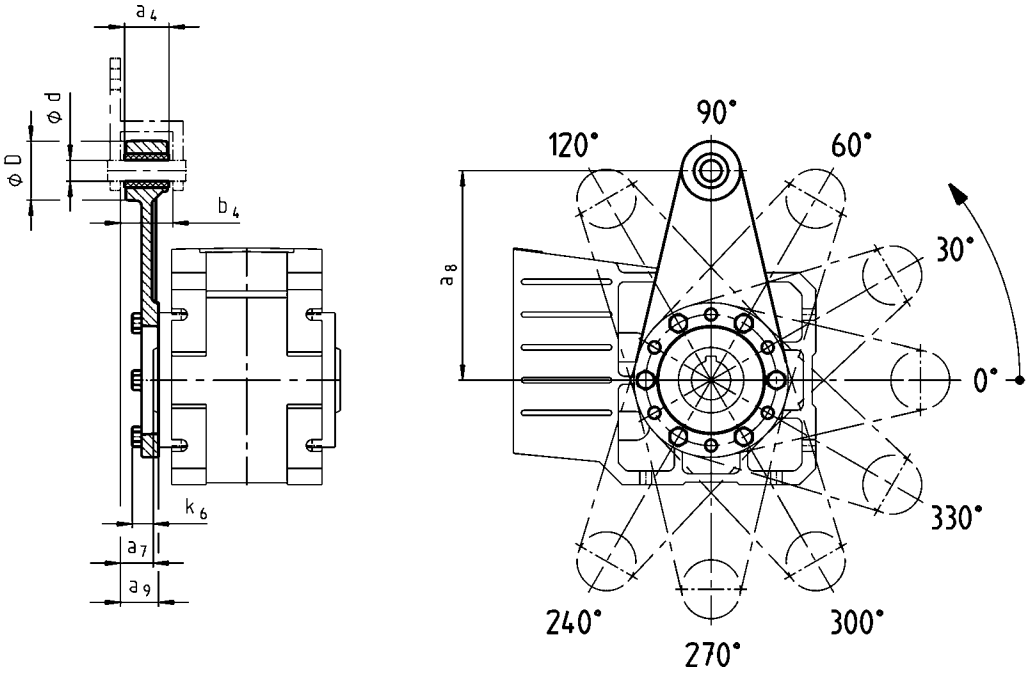


GKR03/04
Torque plate at threaded hole circle in position 5

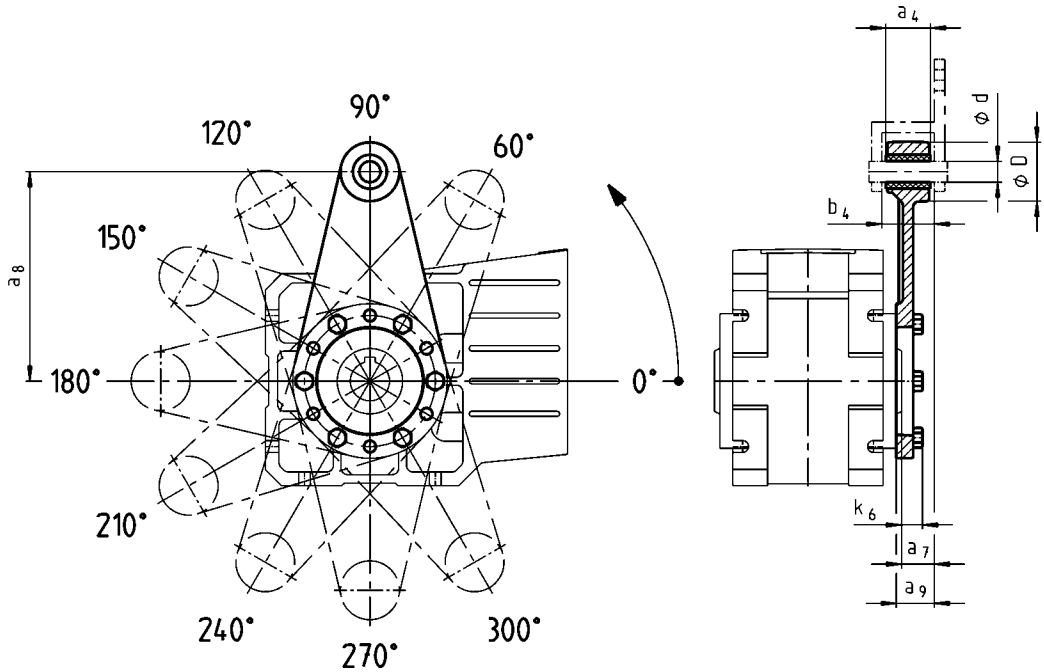


	a_4	a_8	a_9	d	D	k_6	p_8	p_9
GKR03...	12	100	8	8	20	9	115	42
GKR04...	13	110	9	10	25	11	128	52

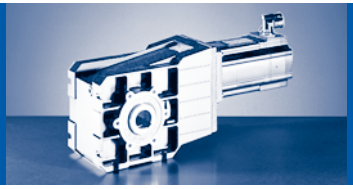
GKR05/06
Torque plate at threaded hole circle in position 3



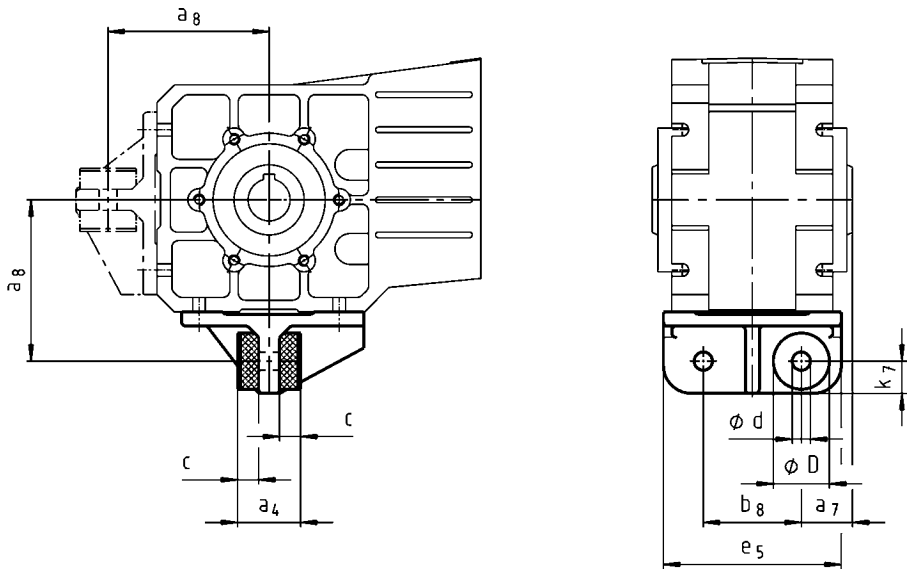
GKR05/06
Torque plate at threaded hole circle in position 5



	Installation space							
	a_7	b_4	a_4	a_8	a_9	d	D	k_6
GKR05...	23.5	38.5	34	160	27.5	16	45	15
GKR06...	28	44.5	40	200	33	20	50	18

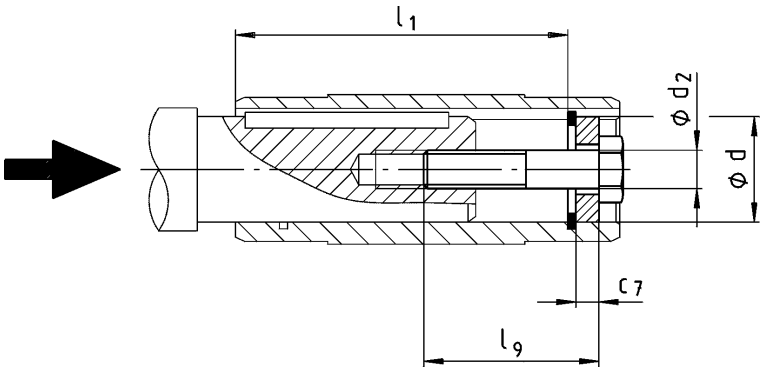


GKR05 / 06
Torque plate at casing foot in position 4 or 6



	a_4	a_7	a_8	b_8	c	d	D	e_5	k_7
GKR05...	45	36.5	115	70	15	13	40	127	25
GKR06...	72	45	145	80	27	17	50	145	28

Mounting set for hollow shaft circlip
Proposed design for auxiliary tools



	Hollow shaft		Hollow shaft circlip mounting set (Assembly auxiliaries)		
	d	l_1	d_2	l_9	c_7
	H7				
GKR03...	18	85	M6	40	4
	20				
GKR04...		105			
	25		M10		5
GKR05...	30	127			6
	35		M12	50	7
GKR06...	40	150	M16	60	8
	45				9