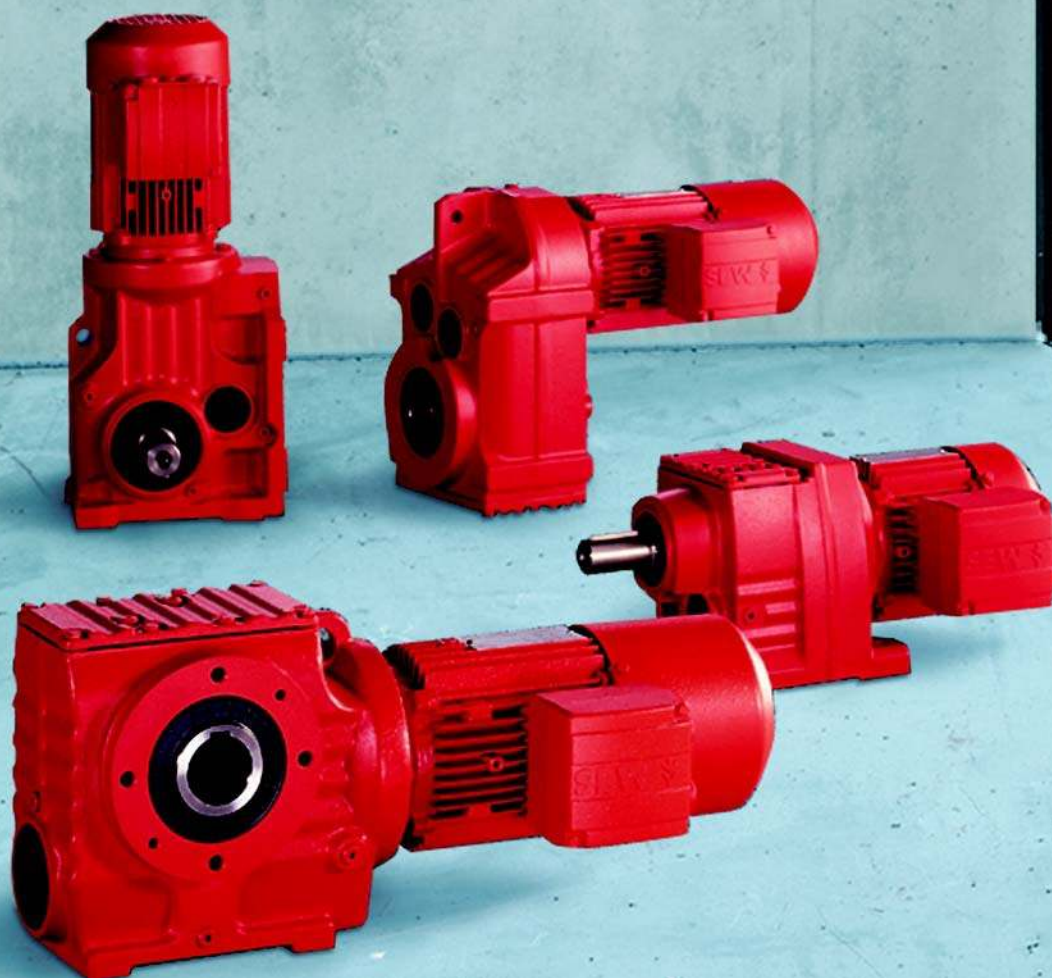


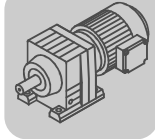


DT/DV Gearmotors

Edition 03/2009

16795210 / EN

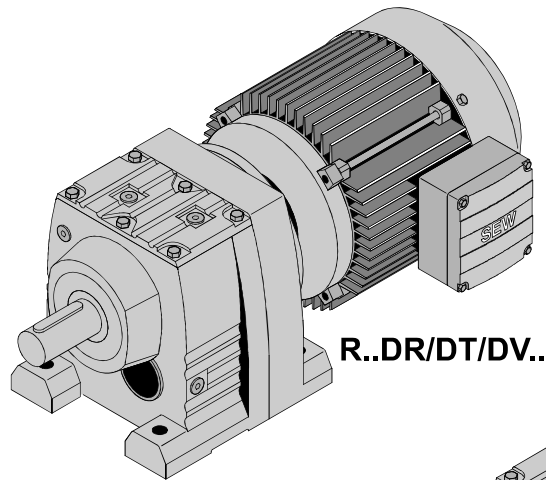
Catalog



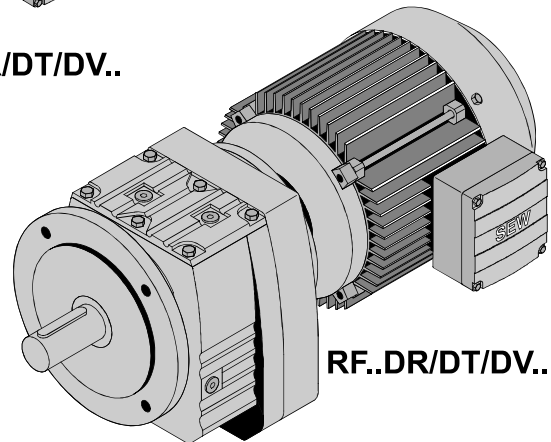
3 Helical Gearmotors

3.1 Variants

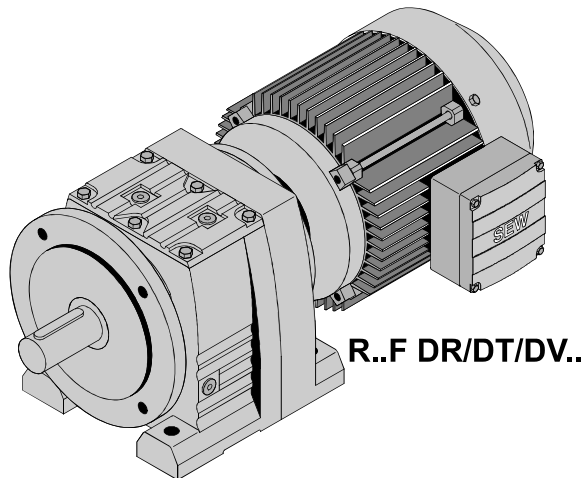
3



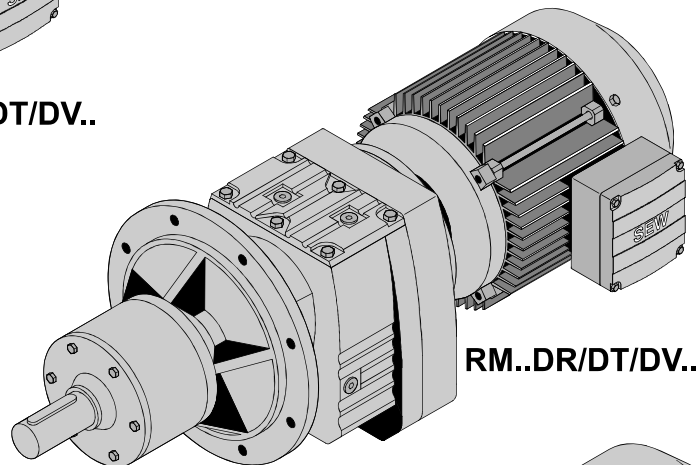
R..DR/DT/DV..



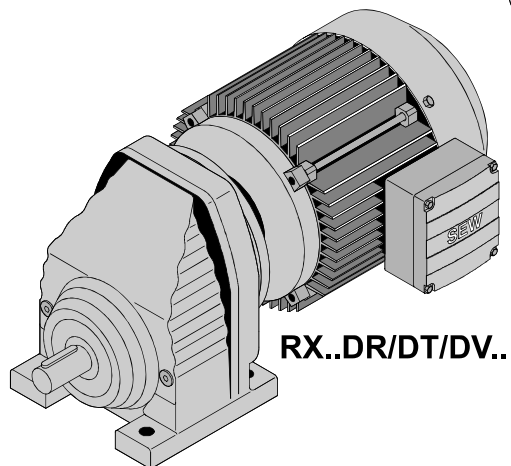
RF..DR/DT/DV..



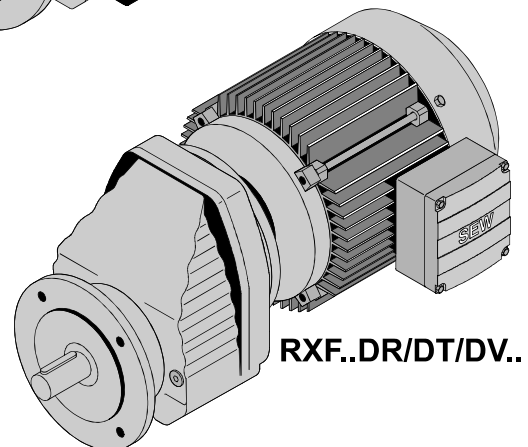
R..F DR/DT/DV..



RM..DR/DT/DV..

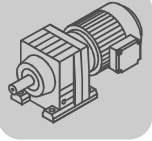


RX..DR/DT/DV..



RXF..DR/DT/DV..

04453AXX

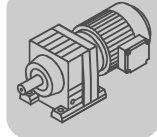


3.2 Permitted combinations

RX57, n _e = 1400 1/min										69 Nm
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ (°/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132M DV132S
255	39	3100	-	5.50*						
276	36	3030	-	5.07						
322	68	2640	-	4.35						
369	69	2480	-	3.79						
394	69	2420	-	3.55*						
446	65	2320	-	3.14						
481	67	2170	-	2.91						
530	69	1810	-	2.64*						
591	69	1500	-	2.37						
686	69	1070	-	2.04						
729	69	890	-	1.92*						
848	69	430	-	1.65						
946	68	112	-	1.48						
1075	63	132	-	1.30						

RX67, n _e = 1400 1/min										134 Nm
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132M DV132S
231	43	4010	-	6.07						
270	75	3580	-	5.18						
309	82	3350	-	4.53						
326	80	3300	-	4.30*						
371	87	3090	-	3.77						
438	100	2800	-	3.20*						
484	106	2640	-	2.89						
551	118	2000	-	2.54						
583	123	1530	-	2.40*						
686	134	230	-	2.04						
753	126	225	-	1.86						
870	114	245	-	1.61						
1000	104	205	-	1.40*						

RX77, n _e = 1400 1/min											215 Nm
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132M DV132S	DV132ML DV160M
175	57	6330	-	8.00*							
187	53	6200	-	7.47							
218	103	5600	-	6.41							
249	110	5300	-	5.63							
262	103	5240	-	5.35*							
296	123	4900	-	4.73							
347	143	4500	-	4.04*							
378	153	4290	-	3.70							
431	182	3200	-	3.25*							
455	193	2560	-	3.08*							
519	215	1110	-	2.70							
576	215	510	-	2.43							
657	200	435	-	2.13							
745	187	335	-	1.88*							
838	173	315	-	1.67							
986	155	315	-	1.42							



RX87, $n_e = 1400$ 1/min

405 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DT80	DT90	DV100	DV112	DV132M DV132S	DV132ML DV160L DV160M	DV180
162	139	7890	-	8.65							
183	149	7490	-	7.63							
194	140	7380	-	7.20*							
217	192	6850	-	6.45							
252	225	6320	-	5.56*							
276	250	5980	-	5.07							
311	290	5500	-	4.50*							
370	305	5030	-	3.78							
402	405	2730	-	3.48							
453	405	1950	-	3.09							
507	405	1200	-	2.76*							
565	405	470	-	2.48							
651	385	42	-	2.15							
725	355	185	-	1.93							
875	315	74	-	1.60*							
1005	290	74	-	1.39							

RX97, $n_e = 1400$ 1/min

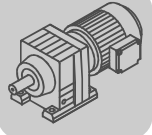
595 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DT80	DT90	DV100	DV112	DV132M DV132S	DV132ML DV160L DV160M	DV180	DV200
170	225	9560	-	8.23								
196	260	8950	-	7.16*								
213	300	8500	-	6.56								
242	420	7630	-	5.79								
285	395	7220	-	4.91								
310	595	6180	-	4.52								
347	595	5380	-	4.04								
385	595	4530	-	3.64*								
424	595	3730	-	3.30								
479	595	2810	-	2.92								
530	595	1980	-	2.64								
625	595	495	-	2.24*								
714	570	19	-	1.96								
854	505	51	-	1.64								
986	455	132	-	1.42								

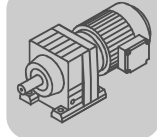
RX107, $n_e = 1400$ 1/min

830 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DV100	DV112	DV132M DV132S	DV132ML DV160L DV160M	DV180	DV200 DV225M DV225S
211	460	9700	-	6.63*						
250	455	9080	-	5.61						
270	695	7850	-	5.19						
301	695	7450	-	4.65						
333	830	6420	-	4.20*						
367	830	5550	-	3.81						
414	830	4490	-	3.38						
456	830	3600	-	3.07						
530	830	2170	-	2.64*						
609	830	900	-	2.30						
718	765	555	-	1.95						
819	705	480	-	1.71						
972	645	315	-	1.44						

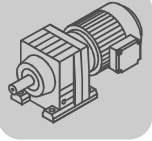


R07, $n_e = 1400$ 1/min						50 Nm
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DT56 DR63 DT71	
 3						
18	50	1510	-	78.24		
20	50	1510	-	71.47		
23	50	1510	-	60.32		
27	50	1510	-	51.52		
29	50	1470	-	47.78		
32	50	1420	-	44.16		
34	50	1380	-	41.31		
35	50	1370	-	40.34		
36	50	1340	-	38.51		
41	50	1270	-	34.05		
48	50	1190	-	29.08		
52	50	1150	-	26.97		
60	50	1080	-	23.32		
64	50	1040	-	21.73		
 2						
76	50	970	-	18.31		
84	50	930	-	16.73		
99	50	850	-	14.12		
116	50	790	-	12.06		
125	50	760	-	11.18		
145	50	710	-	9.67		
155	50	685	-	9.01		
178	49	645	-	7.85		
187	43	595	-	7.48		
205	43	535	-	6.83		
243	40	530	-	5.76		
285	37	530	-	4.92		
306	36	520	-	4.57		
354	34	505	-	3.95		
380	33	500	-	3.68		
436	31	495	-	3.21		
R17, $n_e = 1400$ 1/min						85 Nm
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80
 3						
17	85	1770	-	81.64		
20	85	1770	-	70.39		
21	85	1770	-	65.61		
24	85	1770	-	57.35		
26	85	1770	-	53.76		
30	85	1770	-	47.44		
32	85	1770	-	44.18		
36	85	1770	-	38.61		
39	85	1770	-	36.20		
44	85	1770	-	31.94		
49	85	1770	-	28.32		
58	85	1650	-	24.07		
 2						
55	85	1690	-	25.23		
60	85	1620	-	23.15		
71	85	1500	-	19.71		
82	85	1400	-	16.99		
88	85	1350	-	15.84		

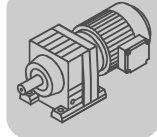


R17, $n_e = 1400$ 1/min					85 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (°/R) [']	i	DR63 DT71	DT80
101	85	1270	-	13.84		
108	85	1230	-	12.98		
122	81	1180	-	11.45		
138	77	1140	-	10.15		
162	72	1090	-	8.63		
185	56	1040	-	7.55		
199	55	1010	-	7.04		
228	54	950	-	6.15		
243	53	930	-	5.76		
275	51	890	-	5.09		
310	48	870	-	4.51		
366	45	830	-	3.83		

R27, $n_e = 1400$ 1/min					130 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (°/R) [']	i	DR63 DT71	DT80	DT90	DV100
 3								
10	130	4230	-	135.09				
11	130	4230	-	123.91				
13	130	4230	-	105.49				
15	130	4230	-	90.96				
17	130	4230	-	84.78				
19	130	4230	-	74.11				
20	130	4180	-	69.47				
23	130	3980	-	61.30				
25	130	3840	-	55.87				
29	130	3630	-	48.17				
31	130	3530	-	44.90				
36	130	3350	-	39.25				
38	130	3260	-	36.79				
43	130	3100	-	32.47				
49	130	2950	-	28.78				
57	130	2770	-	24.47				
 2								
49	130	2940	-	28.37				
54	130	2840	-	26.09				
63	130	2660	-	22.32				
72	130	2510	-	19.35				
77	130	2440	-	18.08				
90	130	2290	-	15.63				
105	130	2140	-	13.28*				
118	129	1990	-	11.86				
138	122	1890	-	10.13				
149	122	900	-	9.41				
172	116	870	-	8.16				
183	112	900	-	7.63*				
212	106	880	-	6.59				
250	99	880	-	5.60*				
280	95	860	-	5.00*				
328	87	920	-	4.27				
350	85	910	-	4.00*				
415	79	900	-	3.37				



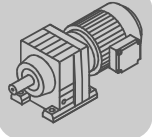
R27R17, $n_e = 1400$ 1/min					130 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (°/R) [']	i	DR63 DT71	DT80
 3  3						
0.16	130	4230	-	8612		
0.19	130	4230	-	7425		
0.20	130	4230	-	6921		
0.23	130	4230	-	6050		
0.27	130	4230	-	5217		
0.30	130	4230	-	4661		
0.34	130	4230	-	4073		
0.40	130	4230	-	3516		
0.44	130	4230	-	3160		
0.51	130	4230	-	2763		
0.58	130	4230	-	2414		
0.66	130	4230	-	2110		
0.75	130	4230	-	1862		
0.86	130	4230	-	1625		
0.98	130	4230	-	1434		
1.1	130	4230	-	1254		
 2  3						
0.77	130	4230	-	1822		
0.89	130	4230	-	1580		
0.96	130	4230	-	1464		
1.1	130	4230	-	1270		
1.3	130	4230	-	1100		
1.4	130	4230	-	972		
1.7	130	4230	-	840		
1.9	130	4230	-	741		
2.1	130	4230	-	654		
2.5	130	4230	-	566		
2.8	130	4230	-	499		
 3  2						
1.3	130	4230	-	1101		
1.5	130	4230	-	962		
1.7	130	4230	-	848		
1.9	130	4230	-	743		
2.2	130	4230	-	649		
2.5	130	4230	-	567		
2.8	130	4230	-	509		
3.2	130	4230	-	432		
3.6	130	4230	-	387		
4.1	130	4230	-	339		
4.7	130	4230	-	296		
5.4	130	4230	-	259		
6.1	130	4230	-	229		
7.0	130	4230	-	200		
7.9	130	4230	-	177		
8.4	130	4230	-	166		
9.3	130	4230	-	150		
9.9	130	4230	-	141		
11	130	4230	-	124		
13	130	4230	-	110		
15	130	4230	-	94		
 2  2						
3.2	130	4230	-	440		
3.7	130	4230	-	381		
4.3	130	4230	-	329		
4.8	130	4230	-	290		



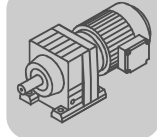
R27R17, $n_e = 1400$ 1/min					130 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80
5.5	130	4230	-	256		
6.2	130	4230	-	227		
6.9	130	4230	-	203		
7.8	130	4230	-	179		
9.0	130	4230	-	156		
10	130	4230	-	135		
12	130	4230	-	118		
13	130	4230	-	104		
16	130	4230	-	90		

R37, $n_e = 1400$ 1/min					200 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100
3								
10	200	4950	8	134.82				
11	200	4950	8	123.66				
13	200	4950	8	105.28				
15	200	4950	8	90.77				
17	200	4950	8	84.61				
19	200	4950	8	73.96				
20	200	4950	8	69.33				
23	200	4950	8	61.18				
25	200	4950	9	55.76				
29	200	4950	9	48.08				
31	200	4950	9	44.81				
36	200	4760	9	39.17				
38	200	4540	9	36.72				
43	200	4120	9	32.40				
49	200	3740	9	28.73				
57	200	3240	9	24.42				
2								
49	200	3690	7	28.32				
54	185	3860	7	26.03				
63	200	2970	7	22.27				
73	200	2570	7	19.31				
78	200	2390	8	18.05				
90	200	2010	8	15.60				
106	190	1880	8	13.25				
118	183	1810	8	11.83				
138	170	1820	8	10.11				
148	167	1760	8	9.47				
176	156	1720	8	7.97				
210	144	1000	12	6.67				
247	142	760	12	5.67				
277	135	790	13	5.06				
324	126	820	13	4.32				
346	122	850	13	4.05				
411	112	900	14	3.41				

R37R17, n _e = 1400 1/min						200 Nm
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ (f/R) [']	i	DR63 DT71	DT80
 3  3						
0.16	200	4950	-	8595		
0.19	200	4950	-	7411		
0.20	200	4950	-	6907		
0.23	200	4950	-	6038		

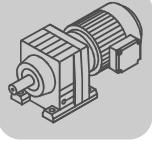


R37R17, $n_e = 1400$ 1/min					200 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (°/R) [']	i	DR63 DT71	DT80
0.27	200	4950	-	5206		
0.30	200	4950	-	4651		
0.34	200	4950	-	4065		
0.38	200	4950	-	3658		
0.44	200	4950	-	3154		
0.51	200	4950	-	2757		
0.58	200	4950	-	2409		
0.66	200	4950	-	2106		
0.75	200	4950	-	1856		
0.86	200	4950	-	1622		
0.98	200	4950	-	1431		
1.1	200	4950	-	1251		
 2  3						
0.77	200	4950	-	1818		
0.89	200	4950	-	1576		
1.0	200	4950	-	1359		
1.1	200	4950	-	1267		
1.3	200	4950	-	1098		
1.4	200	4950	-	970		
1.7	200	4950	-	839		
1.9	200	4950	-	740		
2.1	200	4950	-	653		
2.4	200	4950	-	577		
2.8	200	4950	-	498		
 3  2						
1.3	200	4950	-	1099		
1.5	200	4950	-	960		
1.7	200	4950	-	847		
1.9	200	4950	-	741		
2.2	200	4950	-	647		
2.5	200	4950	-	566		
2.8	200	4950	-	508		
3.2	200	4950	-	431		
3.6	200	4950	-	387		
4.1	200	4950	-	338		
4.7	200	4950	-	296		
5.4	200	4950	-	259		
6.1	200	4950	-	228		
7.0	200	4950	-	199		
8.1	200	4950	-	172		
9.3	200	4950	-	150		
11	200	4950	-	130		
11	200	4950	-	124		
13	200	4950	-	110		
15	200	4950	-	94		
 2  2						
3.2	200	4950	-	439		
3.7	200	4950	-	378		
4.3	200	4950	-	328		
4.8	200	4950	-	289		
5.3	200	4950	-	265		
6.2	200	4950	-	226		
6.9	200	4950	-	202		
7.8	200	4950	-	179		
9.0	200	4950	-	156		
10	200	4950	-	135		

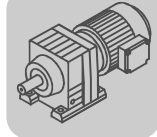


R37R17, $n_e = 1400$ 1/min					200 Nm	
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80
11	200	4950	-	127		
13	200	4950	-	104		
16	200	4950	-	90		

R47, $n_e = 1400$ 1/min					300 Nm					
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M
3										
7.9	300	5420	7	176.88						
8.6	300	5420	7	162.94						
10	300	5420	7	139.99						
11	300	5420	7	121.87						
12	300	5420	7	114.17						
14	300	5420	7	100.86						
15	300	5420	7	93.68						
16	300	5420	7	84.90						
18	300	5420	7	76.23						
20	300	5420	8	68.54						
22	300	5420	8	64.21						
25	300	5420	8	56.73						
27	300	5350	8	52.69						
29	300	5150	8	47.75						
33	300	4930	8	42.87						
38	300	4630	8	36.93						
40	300	4520	8	34.73						
47	300	4240	8	29.88						
52	300	4050	8	26.70						
59	300	3840	8	23.59						
2										
41	240	4690	7	33.79						
45	220	4610	7	31.12						
52	300	4050	7	26.74						
60	300	3820	7	23.28						
64	300	3710	7	21.81						
73	295	3530	7	19.27						
78	290	3390	7	17.89						
86	275	3350	7	16.22						
96	265	3230	7	14.56						
112	250	3080	7	12.54						
119	245	3020	7	11.79						
138	230	2890	7	10.15						
154	220	2780	8	9.07						
175	205	2690	8	8.01						
180	163	2720	10	7.76*						
201	159	2620	10	6.96						
233	156	2470	10	6.00						
248	155	2410	10	5.64*						
289	150	2280	10	4.85						
323	146	2190	11	4.34						
366	144	2090	11	3.83						



R47R37, $n_e = 1400$ 1/min					300 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (i/R) [']	i	DR63 DT71	DT80	DT90	DV100
 3  3								
0.10	300	5420	-	13598				
0.11	300	5420	-	12472				
0.13	300	5420	-	10619				
0.15	300	5420	-	9155				
0.16	300	5420	-	8534				
0.19	300	5420	-	7460				
0.20	300	5420	-	6993				
0.23	300	5420	-	6171				
0.25	300	5420	-	5624				
0.29	300	5420	-	4849				
0.31	300	5420	-	4520				
0.35	300	5420	-	3951				
0.38	300	5420	-	3704				
0.43	300	5420	-	3268				
0.48	300	5420	-	2898				
0.57	300	5420	-	2463				
 2  3								
0.54	300	5420	-	2598				
0.59	300	5420	-	2383				
0.69	300	5420	-	2029				
0.80	300	5420	-	1749				
0.86	300	5420	-	1630				
0.98	300	5420	-	1425				
1.0	300	5420	-	1336				
1.2	300	5420	-	1179				
1.3	300	5420	-	1074				
1.5	300	5420	-	927				
1.6	300	5420	-	863				
1.9	300	5420	-	755				
2.0	300	5420	-	708				
2.2	300	5420	-	624				
2.5	300	5420	-	554				
3.0	300	5420	-	471				
 3  2								
0.49	300	5420	-	2856				
0.53	300	5420	-	2625				
0.62	300	5420	-	2246				
0.72	300	5420	-	1948				
0.77	300	5420	-	1821				
0.89	300	5420	-	1573				
1.2	300	5420	-	1193				
1.4	300	5420	-	1020				
1.5	300	5420	-	955				
1.7	300	5420	-	804				
2.1	300	5420	-	673				
2.4	300	5420	-	572				
2.7	300	5420	-	510				
3.2	300	5420	-	436				
3.4	300	5420	-	408				
4.1	300	5420	-	344				
 2  2								
2.6	300	5420	-	546				
2.8	300	5420	-	502				
3.3	300	5420	-	429				
3.8	300	5420	-	372				



R47R37, $n_e = 1400$ 1/min

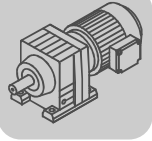
300 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100
4.0	300	5420	-	348				
4.7	300	5420	-	301				
5.5	300	5420	-	255				
6.1	300	5420	-	228				
7.2	300	5420	-	195				
7.7	300	5420	-	182				
9.1	300	5420	-	154				
11	300	5420	-	129				
13	300	5420	-	109				
14	300	5420	-	98				

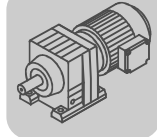
R57, $n_e = 1400$ 1/min

450 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M
3										
7.5	450	7110	7	186.89						
8.1	450	7110	7	172.17						
9.5	450	7110	7	147.92						
11	450	7110	7	128.77						
12	450	7110	7	120.63						
13	450	7110	7	106.58						
14	450	7110	7	98.99						
16	450	7110	7	89.71						
17	450	7110	7	80.55						
20	450	7110	7	69.23						
22	450	6980	8	64.85						
24	450	6630	8	57.29						
26	450	6430	8	53.22						
29	450	6170	8	48.23						
32	450	5900	8	43.30						
38	450	5530	8	37.30*						
40	450	5390	8	35.07						
46	450	5050	8	30.18						
52	450	4800	8	26.97						
2										
53	450	4750	6	26.31						
56	450	4640	6	24.99*						
64	450	4370	7	21.93						
75	450	4050	7	18.60*						
83	450	3860	7	16.79						
95	435	3690	7	14.77*						
100	430	3610	7	13.95*						
118	405	3430	7	11.88						
130	390	3330	7	10.79						
150	370	3180	7	9.35						
155	375	2010	9	9.06						
176	355	2020	9	7.97						
186	350	1950	9	7.53						
218	335	1770	9	6.41						
241	320	1820	10	5.82						
277	305	1730	10	5.05						
319	280	1900	10	4.39						



R57R37, $n_e = 1400$ 1/min					450 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (i/R) [']	i	DR63 DT71	DT80	DT90	DV100
 3  3								
0.10	450	7110	-	14369				
0.12	450	7110	-	12095				
0.13	450	7110	-	10860				
0.15	450	7110	-	9445				
0.17	450	7110	-	8480				
0.19	450	7110	-	7312				
0.21	450	7110	-	6521				
0.25	450	7110	-	5585				
0.28	450	7110	-	4928				
0.32	450	7110	-	4378				
0.36	450	7110	-	3873				
0.42	450	7110	-	3344				
0.48	450	7110	-	2907				
0.55	450	7110	-	2567				
0.62	450	7110	-	2244				
0.71	450	7110	-	1967				
 2  3								
0.47	450	7110	-	2957				
0.56	450	7110	-	2508				
0.61	450	7110	-	2309				
0.70	450	7110	-	1991				
0.79	450	7110	-	1768				
0.92	450	7110	-	1520				
1.0	450	7110	-	1342				
1.2	450	7110	-	1164				
1.4	450	7110	-	1027				
1.6	450	7110	-	894				
1.7	450	7110	-	805				
2.0	450	7110	-	683				
2.3	450	7110	-	603				
2.6	450	7110	-	534				
3.1	450	7110	-	454				
3.4	450	7110	-	410				
 3  2								
0.81	450	7110	-	1732				
0.90	450	7110	-	1555				
1.0	450	7110	-	1399				
1.2	450	7110	-	1189				
1.4	450	7110	-	1034				
1.8	450	7110	-	782				
2.1	450	7110	-	678				
2.3	450	7110	-	604				
2.6	450	7110	-	537				
3.0	450	7110	-	471				
3.9	450	7110	-	357				
4.4	450	7110	-	319				
5.1	450	7110	-	273				
5.8	450	7110	-	241				
6.5	450	7110	-	215				
7.5	450	7110	-	187				
8.5	450	7110	-	164				
9.9	450	7110	-	142				
 2  2								
3.9	450	7110	-	359				
4.3	450	7110	-	324				



R57R37, $n_e = 1400$ 1/min

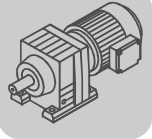
450 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100
4.8	450	7110	-	290				
5.3	450	7110	-	262				
5.7	450	7110	-	246				
6.4	450	7110	-	220				
7.4	450	7110	-	188				
8.8	450	7110	-	159				
9.6	450	7110	-	146				
10	450	7110	-	134				

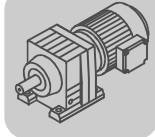
R67, $n_e = 1400$ 1/min

600 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M
3										
7.0	600	7560	6	199.81						
7.6	600	7560	6	184.07						
8.9	600	7560	6	158.14						
10	600	7560	6	137.67						
11	600	7560	6	128.97						
12	600	7560	6	113.94						
13	600	7560	6	105.83						
15	600	7560	6	95.91						
16	600	7560	6	86.11						
19	600	7560	7	74.17						
20	600	7560	7	69.75						
23	600	7560	7	61.26						
25	600	7560	7	56.89						
27	600	7560	7	51.56						
30	600	7560	7	46.29						
35	580	7790	7	39.88*						
37	570	7900	7	37.50						
43	540	8210	7	32.27						
49	520	8400	7	28.83						
2										
50	540	8210	6	28.13						
52	540	8210	6	26.72						
60	560	8010	6	23.44						
70	600	7560	6	19.89						
78	590	7330	6	17.95						
89	560	7130	6	15.79						
94	550	6980	6	14.91						
110	520	6650	6	12.70						
121	500	6500	7	11.54						
140	470	6220	7	10.00						
161	440	5960	7	8.70*						
180	380	5830	8	7.79						
190	370	5790	8	7.36*						
223	330	5590	9	6.27						
246	310	5450	9	5.70						
284	290	5210	9	4.93						
326	270	5000	10	4.29						



R67R37, $n_e = 1400$ 1/min					600 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (i/R) [']	i	DR63 DT71	DT80	DT90	DV100
 3  3								
0.09	600	7560	-	15361				
0.11	600	7560	-	12931				
0.12	600	7560	-	11996				
0.14	600	7560	-	10097				
0.15	600	7560	-	9066				
0.18	600	7560	-	7816				
0.21	600	7560	-	6732				
0.23	600	7560	-	5970				
0.27	600	7560	-	5268				
0.30	600	7560	-	4680				
0.34	600	7560	-	4136				
0.39	600	7560	-	3566				
0.45	600	7560	-	3125				
0.51	600	7560	-	2745				
0.58	600	7560	-	2403				
 2  3								
0.52	600	7560	-	2682				
0.57	600	7560	-	2460				
0.67	600	7560	-	2094				
0.78	600	7560	-	1805				
0.86	600	7560	-	1629				
0.95	600	7560	-	1471				
1.0	600	7560	-	1379				
1.3	600	7560	-	1109				
1.5	600	7560	-	956				
1.6	600	7560	-	891				
1.9	600	7560	-	730				
2.2	600	7560	-	644				
2.5	600	7560	-	571				
2.9	600	7560	-	486				
 3  2								
0.66	600	7560	-	2136				
0.76	600	7560	-	1852				
0.85	600	7560	-	1652				
0.98	600	7560	-	1432				
1.1	600	7560	-	1259				
1.3	600	7560	-	1106				
1.7	600	7560	-	836				
1.9	600	7560	-	750				
2.2	600	7560	-	646				
2.4	600	7560	-	574				
2.8	600	7560	-	495				
3.2	600	7560	-	438				
3.6	600	7560	-	388				
4.1	600	7560	-	344				
4.8	600	7560	-	294				
5.4	600	7560	-	261				
6.0	600	7560	-	234				
7.0	600	7560	-	200				
8.0	600	7560	-	176				
8.9	600	7560	-	158				
 2  2								
3.2	600	7560	-	443				
3.6	600	7560	-	384				
3.9	600	7560	-	359				



R67R37, $n_e = 1400$ 1/min

600 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100
4.5	600	7560	-	310				
5.3	600	7560	-	264				
6.0	600	7560	-	235				
7.0	600	7560	-	201				
7.7	600	7560	-	181				
8.8	600	7560	-	159				

R77, $n_e = 1400$ 1/min

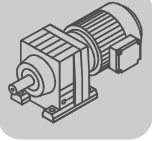
820 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M
3											
7.2	820	9920	6	195.24*							
8.4	820	9920	6	166.59							
9.6	820	9920	6	145.67							
10	820	9920	6	138.39							
12	820	9920	6	121.42							
14	820	9920	6	102.99							
15	820	9920	6	92.97							
17	820	9920	6	81.80							
18	820	9920	7	77.24							
21	820	9920	7	65.77							
24	820	9920	7	57.68							
27	820	9920	7	52.07							
31	820	9920	7	45.81							
32	820	9920	7	43.26							
38	820	9920	7	36.83							
42	820	9920	7	33.47							
48	820	9920	7	29.00							
55	780	10100	7	25.23							
2											
60	820	8870	6	23.37							
65	820	8250	6	21.43							
74	780	7980	6	18.80							
79	780	7620	6	17.82*							
90	740	7390	6	15.60							
100	720	7050	6	14.05							
114	690	6740	6	12.33							
129	660	6490	7	10.88							
145	630	6300	7	9.64							
163	630	4110	7	8.59							
181	610	3940	8	7.74							
206	580	3850	8	6.79							
234	540	3990	8	5.99*							
264	510	3990	8	5.31*							

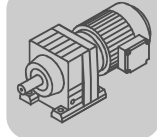
R77R37, $n_e = 1400$ 1/min

820 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100
3 3								
0.09	820	9920	-	16370				
0.09	820	9920	-	15015				
0.10	820	9920	-	13885				
0.11	820	9920	-	12783				
0.13	820	9920	-	11021				
0.14	820	9920	-	9788				
0.16	820	9920	-	8714				
0.18	820	9920	-	7617				


R77R37, $n_e = 1400$ 1/min
820 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (i/R) [']	i	DR63 DT71	DT80	DT90	DV100
0.21	820	9920	-	6770				
0.24	820	9920	-	5838				
0.27	820	9920	-	5184				
0.31	820	9920	-	4470				
0.35	820	9920	-	3999				
0.40	820	9920	-	3488				
0.46	820	9920	-	3053				
0.52	820	9920	-	2671				
 2  3								
0.44	820	9920	-	3151				
0.48	820	9920	-	2890				
0.57	820	9920	-	2460				
0.66	820	9920	-	2121				
0.71	820	9920	-	1977				
0.81	820	9920	-	1728				
0.86	820	9920	-	1620				
0.98	820	9920	-	1430				
1.1	820	9920	-	1303				
1.2	820	9920	-	1124				
1.3	820	9920	-	1047				
1.5	820	9920	-	915				
1.6	820	9920	-	858				
1.8	820	9920	-	757				
2.1	820	9920	-	671				
2.5	820	9920	-	571				
 3  2								
0.60	820	9920	-	2345				
0.68	820	9920	-	2070				
0.77	820	9920	-	1822				
0.89	820	9920	-	1580				
1.0	820	9920	-	1394				
1.1	820	9920	-	1218				
1.3	820	9920	-	1084				
1.5	820	9920	-	940				
1.7	820	9920	-	821				
1.9	820	9920	-	731				
2.2	820	9920	-	646				
2.5	820	9920	-	560				
2.9	820	9920	-	488				
3.2	820	9920	-	436				
3.8	820	9920	-	373				
4.3	820	9920	-	327				
4.8	820	9920	-	289				
5.4	820	9920	-	260				
6.2	820	9920	-	224				
7.1	820	9920	-	197				
8.3	820	9920	-	169				
9.4	820	9920	-	149				
 2  2								
2.7	820	9920	-	520				
3.1	820	9920	-	451				
3.3	820	9920	-	422				
3.8	820	9920	-	365				
4.5	820	9920	-	310				
5.1	820	9920	-	276				
5.9	820	9920	-	236				



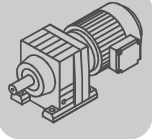
R77R37, $n_e = 1400$ 1/min					820 Nm			
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100
6.3	820	9920	-	221				
7.5	820	9920	-	186				

R87, $n_e = 1400$ 1/min					1550 Nm						
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DT80	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M DV160L	DV180

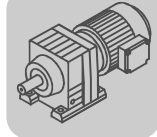
 3											
5.7	1550	16900	6	246.54							
6.5	1550	16900	6	216.54							
6.8	1550	16900	6	205.71							
7.7	1550	16900	6	181.77							
9.0	1550	16900	6	155.34							
9.8	1550	16900	6	142.41							
11	1550	16900	6	124.97							
12	1550	16900	6	118.43*							
14	1550	16900	6	103.65							
15	1550	16900	6	93.38							
17	1550	16900	6	81.92							
19	1550	16900	6	72.57							
22	1550	15800	6	63.68*							
23	1550	15200	6	60.35*							
27	1550	13500	6	52.82							
29	1550	16900	7	47.58							
34	1550	16900	7	41.74							
38	1550	16800	7	36.84*							
43	1550	16000	7	32.66*							
50	1500	15100	7	27.88							

 2											
41	1500	9480	5	34.40*							
45	1550	7820	5	31.40							
50	1550	15000	6	27.84*							
60	1550	13900	6	23.40							
65	1500	13600	6	21.51							
73	1440	13000	6	19.10							
82	1390	12600	6	17.08*							
91	1340	12100	6	15.35							
105	1280	11600	6	13.33							
117	1230	11200	6	11.93							
141	1180	10400	6	9.90*							
153	1210	10500	6	9.14*							
170	1160	10200	7	8.22							
196	1070	9780	7	7.13							
219	1020	9450	7	6.39							
264	910	8980	7	5.30*							

R87R57, $n_e = 1400$ 1/min					1550 Nm						
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M	
 3  3											
0.08	1550	16900	-	17452							
0.09	1550	16900	-	15310							
0.10	1550	16900	-	13813							
0.12	1550	16900	-	12025							
0.13	1550	16900	-	10549							
0.15	1550	16900	-	9244							
0.17	1550	16900	-	8109							


R87R57, $n_e = 1400$ 1/min
1550 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (i/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M
0.20	1550	16900	-	7038						
0.23	1550	16900	-	6174						
0.26	1550	16900	-	5449						
0.29	1550	16900	-	4831						
0.33	1550	16900	-	4206						
0.37	1550	16900	-	3744						
0.43	1550	16900	-	3233						
0.49	1550	16900	-	2873						
0.56	1550	16900	-	2518						
0.63	1550	16900	-	2209						
0.71	1550	16900	-	1961						
1.4	1550	16900	-	994						
1.6	1550	16900	-	881						
 2  3										
0.35	1550	16900	-	4020						
0.38	1550	16900	-	3703						
0.44	1550	16900	-	3182						
0.51	1550	16900	-	2770						
0.54	1550	16900	-	2595						
0.66	1550	16900	-	2129						
0.73	1550	16900	-	1930						
0.81	1550	16900	-	1733						
0.94	1550	16900	-	1489						
1.0	1550	16900	-	1395						
1.1	1550	16900	-	1232						
1.2	1550	16900	-	1145						
1.4	1550	16900	-	1037						
1.5	1550	16900	-	931						
1.7	1550	16900	-	802						
1.9	1550	16900	-	754						
2.2	1550	16900	-	649						
2.4	1550	16900	-	580						
 3  2										
0.81	1550	16900	-	1737						
0.92	1550	16900	-	1524						
1.1	1550	16900	-	1303						
1.2	1550	16900	-	1143						
1.4	1550	16900	-	1008						
1.6	1550	16900	-	885						
1.8	1550	16900	-	776						
2.0	1550	16900	-	685						
2.3	1550	16900	-	599						
2.7	1550	16900	-	525						
3.1	1550	16900	-	456						
3.5	1550	16900	-	398						
4.0	1550	16900	-	352						
4.6	1550	16900	-	305						
5.2	1550	16900	-	268						
5.9	1550	16900	-	236						
6.7	1550	16900	-	209						
 2  2										
2.6	1550	16900	-	538						
3.0	1550	16900	-	472						
3.5	1550	16900	-	400						
3.9	1550	16900	-	361						
4.7	1550	16900	-	300						



R87R57, $n_e = 1400$ 1/min

1550 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (°/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M
5.5	1550	16900	-	256						
6.0	1550	16900	-	232						
7.2	1550	16900	-	195						

R97, $n_e = 1400$ 1/min

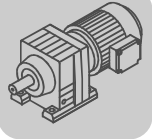
3000 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (°/R) [']	i	DT80	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M DV160L	DV180	DV200
3												
4.8	3000	19800	6	289.74								
5.5	3000	19800	6	255.71								
5.8	3000	19800	6	241.25								
6.5	3000	19800	6	216.28								
7.5	3000	19800	6	186.30								
8.2	3000	19800	6	170.02								
9.3	3000	19800	6	150.78								
11	3000	19800	6	126.75								
12	3000	19800	6	116.48								
14	3000	19800	6	103.44								
15	3000	19800	6	92.48								
17	3000	19800	6	83.15								
19	3000	18000	6	72.17								
21	3000	19800	6	65.21								
23	3000	19800	6	59.92								
26	3000	19800	6	53.21								
29	3000	19800	6	47.58								
33	3000	19800	6	42.78								
38	3000	18600	6	37.13								
42	2890	17900	6	33.25								
51	2670	16900	6	27.58								
2												
44	2560	10600	5	32.05								
51	2560	8380	5	27.19								
56	2830	15900	5	25.03								
63	2720	15300	5	22.37								
70	2610	14800	5	20.14								
77	2500	14400	6	18.24								
87	2400	13800	6	16.17								
96	2300	13400	6	14.62								
113	2190	12700	6	12.39								
129	2090	12100	6	10.83								
151	2030	12200	6	9.29								
167	2030	11700	6	8.39								
197	2000	10900	6	7.12								
225	1890	10500	6	6.21								
269	1780	9850	6	5.20								
311	1630	9500	6	4.50*								

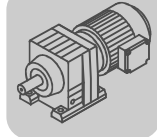
R97R57, $n_e = 1400$ 1/min

3000 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (°/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M
3 3										
0.06	3000	19800	-	21769						
0.07	3000	19800	-	19332						
0.08	3000	19800	-	17230						
0.09	3000	19800	-	14999						
0.11	3000	19800	-	13320						


R97R57, $n_e = 1400$ 1/min
3000 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (i/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M
0.13	3000	19800	-	11156						
0.14	3000	19800	-	10030						
0.16	3000	19800	-	8706						
0.18	3000	19800	-	7692						
0.21	3000	19800	-	6708						
0.24	3000	19800	-	5931						
0.27	3000	19800	-	5161						
0.31	3000	19800	-	4559						
0.35	3000	19800	-	4004						
0.40	3000	19800	-	3481						
 2  3										
0.30	3000	19800	-	4678						
0.32	3000	19800	-	4309						
0.38	3000	19800	-	3702						
0.46	3000	19800	-	3019						
0.52	3000	19800	-	2668						
0.62	3000	19800	-	2245						
0.69	3000	19800	-	2016						
0.81	3000	19800	-	1733						
0.86	3000	19800	-	1623						
0.98	3000	19800	-	1434						
1.2	3000	19800	-	1207						
1.3	3000	19800	-	1084						
1.5	3000	19800	-	934						
1.6	3000	19800	-	878						
1.9	3000	19800	-	755						
 3  2										
0.46	3000	19800	-	3065						
0.51	3000	19800	-	2722						
0.61	3000	19800	-	2311						
0.67	3000	19800	-	2078						
0.77	3000	19800	-	1823						
0.88	3000	19800	-	1583						
1.0	3000	19800	-	1396						
1.1	3000	19800	-	1228						
1.3	3000	19800	-	1069						
1.5	3000	19800	-	938						
1.7	3000	19800	-	824						
1.9	3000	19800	-	737						
2.2	3000	19800	-	632						
2.5	3000	19800	-	560						
2.9	3000	19800	-	484						
3.2	3000	19800	-	431						
3.7	3000	19800	-	379						
4.2	3000	19800	-	336						
4.7	3000	19800	-	296						
5.6	3000	19800	-	249						
6.0	3000	19800	-	234						
6.7	3000	19800	-	209						
 2  2										
2.2	3000	19800	-	625						
2.6	3000	19800	-	549						
3.0	3000	19800	-	466						
3.3	3000	19800	-	420						
3.8	3000	19800	-	370						
4.0	3000	19800	-	349						



R97R57, $n_e = 1400$ 1/min

3000 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M
4.7	3000	19800	-	297						
5.2	3000	19800	-	270						
6.2	3000	19800	-	227						

R107, $n_e = 1400$ 1/min

4300 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DV100	DV112	DV132S DV132M	DV132ML DV160M DV160L	DV180	DV200 DV225S DV225M
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3

5.6	4300	29500	7	251.15						
6.1	4300	29500	7	229.95						
6.9	4300	29500	7	203.16						
8.1	4300	29500	7	172.34						
8.8	4300	29500	7	158.68						
9.9	4300	29500	7	141.83						
11	4300	29500	7	127.68						
12	4300	29500	7	115.63						
14	4300	29500	7	102.53						
15	4300	29500	7	92.70						
18	4300	29500	7	78.57						
19	4300	29500	7	72.88						
21	4300	29200	7	65.60*						
24	4300	28000	7	59.41						
27	4300	26600	7	52.68						
29	4300	25500	7	47.63						
35	4300	23800	7	40.37*						
40	4300	22400	7	35.26						
47	4300	20700	7	29.49						



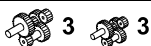
2

45	4300	21100	7	30.77						
51	4300	20100	7	27.58						
56	4300	19200	7	24.90*						
62	4300	18300	7	22.62						
70	4300	17300	7	20.07						
77	4300	16600	7	18.21						
89	4300	15400	7	15.65						
102	4300	14400	7	13.66						
121	4300	13300	7	11.59						
138	4300	12400	7	10.13						
164	4300	11300	7	8.56						
178	2970	13800	9	7.86						
210	2970	12800	9	6.66						
241	2970	12100	9	5.82						
285	2900	11300	9	4.92						

R107R77, $n_e = 1400$ 1/min

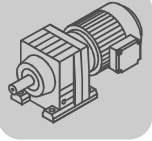
4300 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M
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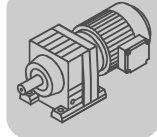


3

0.07	4300	29500	-	20018							
0.08	4300	29500	-	17080							
0.09	4300	29500	-	14936							
0.11	4300	29500	-	12829							
0.12	4300	29500	-	11256							
0.15	4300	29500	-	9547							
0.16	4300	29500	-	8618							
0.18	4300	29500	-	7583							


R107R77, $n_e = 1400$ 1/min
4300 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (i/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M
0.21	4300	29500	-	6743							
0.24	4300	29500	-	5914							
0.27	4300	29500	-	5168							
0.32	4300	29500	-	4435							
0.36	4300	29500	-	3896							
0.41	4300	29500	-	3432							
0.46	4300	29500	-	3039							
0.52	4300	29500	-	2688							
0.60	4300	29500	-	2339							
2 3											
0.36	4300	29500	-	3918							
0.42	4300	29500	-	3343							
0.46	4300	29500	-	3034							
0.53	4300	29500	-	2653							
0.61	4300	29500	-	2280							
0.68	4300	29500	-	2067							
0.83	4300	29500	-	1693							
0.90	4300	29500	-	1550							
1.0	4300	29500	-	1407							
1.2	4300	29500	-	1209							
1.3	4300	29500	-	1055							
1.5	4300	29500	-	919							
1.7	4300	29500	-	815							
2.0	4300	29500	-	717							
2.2	4300	29500	-	626							
2.7	4300	29500	-	528							
3 2											
0.70	4300	29500	-	1987							
0.77	4300	29500	-	1827							
0.88	4300	29500	-	1599							
1.0	4300	29500	-	1400							
1.1	4300	29500	-	1226							
1.3	4300	29500	-	1104							
1.5	4300	29500	-	939							
1.7	4300	29500	-	822							
2.3	4300	29500	-	614							
2.6	4300	29500	-	544							
2.8	4300	29500	-	492							
3.4	4300	29500	-	417							
3.8	4300	29500	-	369							
4.3	4300	29500	-	323							
4.9	4300	29500	-	285							
5.5	4300	29500	-	253							
6.5	4300	29500	-	214							
7.5	4300	29500	-	187							
2 2											
3.0	4300	29500	-	469							
3.3	4300	29500	-	426							
3.7	4300	29500	-	377							
4.3	4300	29500	-	325							
4.9	4300	29500	-	284							
5.5	4300	29500	-	256							
6.4	4300	29500	-	220							
7.3	4300	29500	-	193							
8.1	4300	29500	-	172							



R137, $n_e = 1400$ 1/min

8000 Nm

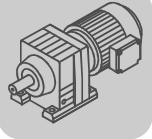
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (°/R) [']	i	DV132S DV132M	DV132ML DV160M DV160L	DV180	DV200 DV225S DV225M	DV250M DV280
3									
6.3	8000	53400	6	222.60*					
7.4	8000	53400	6	188.45					
8.0	8000	53400	6	174.40*					
9.0	8000	53400	6	156.31					
9.9	8000	53400	6	141.12*					
11	8000	53400	6	128.18					
12	8000	53400	6	113.72					
14	8000	53400	6	103.20*					
16	8000	53400	6	88.70*					
17	8000	53400	6	80.91*					
19	8000	53400	6	73.49					
21	8000	53400	6	65.20					
24	8000	53400	6	59.17*					
28	8000	53400	6	50.86*					
32	8000	53400	6	44.39					
37	8000	53400	6	37.65					
43	8000	53400	6	32.91					
50	7680	54100	7	27.83					

2									
47	7780	53900	6	29.57*					
58	8000	49400	6	24.12					
64	8000	47100	6	22.00*					
74	8000	43500	6	19.04*					
83	8000	40600	6	16.80*					
96	8000	37300	6	14.51					
109	8000	34700	6	12.83					
130	8000	31100	6	10.79					
161	7840	27600	6	8.71					
184	5110	39000	8	7.59					
219	5110	35900	8	6.38					
272	4600	34500	8	5.15					

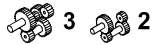
R137R77, $n_e = 1400$ 1/min

8000 Nm

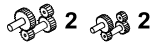
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (°/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M
3 3											
0.06	8000	53400	-	22203							
0.07	8000	53400	-	18945							
0.08	8000	53400	-	16566							
0.09	8000	53400	-	14777							
0.11	8000	53400	-	12921							
0.12	8000	53400	-	11712							
0.13	8000	53400	-	10573							
0.16	8000	53400	-	8784							
0.19	8000	53400	-	7479							
0.21	8000	53400	-	6559							
0.24	8000	53400	-	5834							
0.27	8000	53400	-	5116							
0.31	8000	53400	-	4464							
0.36	8000	53400	-	3928							
0.41	8000	53400	-	3454							
0.47	8000	53400	-	2993							
2 3											
0.30	8000	53400	-	4709							


R137R77, $n_e = 1400$ 1/min
8000 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M
0.35	8000	53400	-	4018							
0.40	8000	53400	-	3514							
0.42	8000	53400	-	3338							
0.48	8000	53400	-	2929							
0.56	8000	53400	-	2484							
0.62	8000	53400	-	2242							
0.75	8000	53400	-	1863							
0.88	8000	53400	-	1586							
1.0	8000	53400	-	1391							
1.1	8000	53400	-	1256							
1.3	8000	53400	-	1105							
1.3	8000	53400	-	1043							
1.6	8000	53400	-	888							
2.0	8000	53400	-	699							
2.3	8000	53400	-	609							



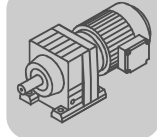
0.53	8000	53400	-	2658							
0.58	8000	53400	-	2412							
0.68	8000	53400	-	2073							
0.76	8000	53400	-	1839							
0.88	8000	53400	-	1598							
1.0	8000	53400	-	1397							
1.1	8000	53400	-	1226							
1.3	8000	53400	-	1090							
1.5	8000	53400	-	951							
1.7	8000	53400	-	831							
1.9	8000	53400	-	730							
2.2	8000	53400	-	629							
2.5	8000	53400	-	560							
2.9	8000	53400	-	490							
3.3	8000	53400	-	428							
3.7	8000	53400	-	381							
4.3	8000	53400	-	323							
4.8	8000	53400	-	291							
5.5	8000	53400	-	255							
6.3	8000	53400	-	223							
7.1	8000	53400	-	197							
8.0	8000	53400	-	175							



2.5	8000	53400	-	564							
2.7	8000	53400	-	517							
3.1	8000	53400	-	453							
3.7	8000	53400	-	376							
4.1	8000	53400	-	339							
4.7	8000	53400	-	297							

R147, $n_e = 1400$ 1/min
13000 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DV132ML DV160M DV160L	DV180	DV200 DV225S DV225M	DV250M DV280	D315M D315S
8.6	13000	62700	5	163.31					
9.5	13000	62700	5	146.91					
12	13000	62700	5	119.86					
13	13000	62700	5	109.31					
15	13000	62700	6	94.60*					
17	13000	62700	6	83.47					



R147, $n_e = 1400$ 1/min

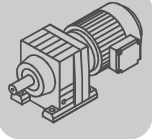
13000 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DV132ML DV160M DV160L	DV180	DV200 DV225S DV225M	DV250M DV280	D315M D315S
19	13000	62700	6	72.09					
21	13000	62700	6	66.99					
23	13000	62700	6	61.09					
26	13000	62700	6	52.87					
30	13000	62700	6	46.65					
35	13000	62700	6	40.29					
39	13000	62700	6	35.64					
47	13000	62700	6	29.95					
58	11900	64700	6	24.19					
 2									
68	12000	64600	5	20.44					
78	10500	67000	5	18.04					
90	13000	62700	5	15.64					
101	12600	63400	5	13.91					
117	13000	60400	5	11.99					
144	13000	54400	6	9.74					
169	13000	49900	6	8.26					
193	8670	58400	8	7.25					
238	8670	53200	8	5.89					
280	8670	49300	8	5.00					

R147R77, $n_e = 1400$ 1/min

13000 Nm

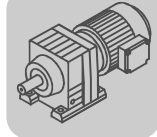
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M
 3  3											
0.06	13000	62700	-	23401							
0.07	13000	62700	-	21342							
0.08	13000	62700	-	18210							
0.09	13000	62700	-	15923							
0.10	13000	62700	-	14075							
0.11	13000	62700	-	12344							
0.13	13000	62700	-	11143							
0.14	13000	62700	-	9743							
0.17	13000	62700	-	8443							
0.19	13000	62700	-	7307							
0.22	13000	62700	-	6447							
0.25	13000	62700	-	5568							
0.28	13000	62700	-	4926							
0.32	13000	62700	-	4325							
0.37	13000	62700	-	3754							
0.42	13000	62700	-	3302							
0.48	13000	62700	-	2898							
 3  2											
0.55	13000	62700	-	2555							
0.63	13000	62700	-	2211							
0.72	13000	62700	-	1951							
0.82	13000	62700	-	1705							
0.91	13000	62700	-	1536							
1.1	13000	62700	-	1329							
1.2	13000	62700	-	1166							
1.4	13000	62700	-	1029							
1.6	13000	62700	-	889							
1.8	13000	62700	-	784							
2.0	13000	62700	-	695							
2.3	13000	62700	-	619							
2.5	13000	62700	-	558							



R147R77, $n_e = 1400$ 1/min											13000 Nm
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M
2.9	13000	62700	-	489							
3.4	13000	62700	-	415							

R147R87, n _e = 1400 1/min										13000 Nm
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ (/R) [']	i	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M DV160L	DV180
 3  2										
2.6	13000	62700	-	533						
3.0	13000	62700	-	462						
3.3	13000	62700	-	426						
3.8	13000	62700	-	368						
4.3	13000	62700	-	326						
5.0	13000	62700	-	280						
5.7	13000	62700	-	247						
6.5	13000	62700	-	214						
7.4	13000	62700	-	189						
8.8	13000	62700	-	159						

R167, n _e = 1400 1/min										18000 Nm
n _a [1/min]	M _{amax} [Nm]	F _{Ra} [N]	φ (/R) [']	i	DV132ML DV160M DV160L	DV180	DV200 DV225S DV225M	DV250M DV280	D315M D315S	D315M_A D315M_B
 3										
6.1	18000	120000	5	229.71						
7.5	18000	120000	5	186.93*						
9.1	18000	120000	5	153.07						
10	18000	120000	5	139.98						
11	18000	120000	5	121.81*						
13	18000	120000	5	107.49						
15	18000	120000	5	93.19						
17	18000	120000	5	82.91*						
19	18000	120000	6	73.70*						
21	18000	120000	6	67.40						
24	18000	120000	6	58.65						
27	18000	120000	6	51.76						
31	18000	120000	6	44.87						
35	18000	120000	6	39.92						
41	18000	120000	6	34.41						
50	18000	120000	6	27.96						
59	18000	116500	6	23.71						
 2										
30	7000	120000	5	46.00						
37	9000	120000	5	37.74						
46	10000	120000	5	30.71						
57	14000	120000	5	24.57						
64	13000	120000	5	21.85						
74	16000	111400	5	19.03						
82	15000	108900	5	16.98						
97	18000	93800	5	14.48						
117	17000	88700	5	11.99						
137	17000	82500	5	10.24						



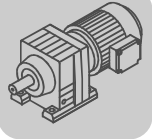
R167R97, $n_e = 1400$ 1/min 18000 Nm

n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DT80	DT90	DV100	DV112	DV132S DV132M	DV132ML DV160M DV160L	DV180	DV200
 3  3												
0.05	18000	120000	-	27001								
0.06	18000	120000	-	22482								
0.07	18000	120000	-	20002								
0.08	18000	120000	-	17361								
0.09	18000	120000	-	15446								
0.10	18000	120000	-	14051								
0.12	18000	120000	-	11812								
0.13	18000	120000	-	10509								
0.15	18000	120000	-	9631								
0.18	18000	120000	-	7749								
0.20	18000	120000	-	6894								
0.23	18000	120000	-	6077								
0.26	18000	120000	-	5407								
0.30	18000	120000	-	4650								
0.34	18000	120000	-	4129								
0.38	18000	120000	-	3692								
0.45	18000	120000	-	3099								

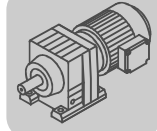
 3  2												
0.53	18000	120000	-	2657								
0.60	18000	120000	-	2333								
0.67	18000	120000	-	2085								
0.75	18000	120000	-	1877								
0.84	18000	120000	-	1670								
0.97	18000	120000	-	1438								
1.1	18000	120000	-	1279								
1.2	18000	120000	-	1123								
1.4	18000	120000	-	999								
1.6	18000	120000	-	861								
1.8	18000	120000	-	760								
2.1	18000	120000	-	656								
2.4	18000	120000	-	579								
2.8	18000	120000	-	503								
3.2	18000	120000	-	432								
3.7	18000	120000	-	376								
4.2	18000	120000	-	335								
4.6	18000	120000	-	303								
5.0	18000	120000	-	279								

R167R107, $n_e = 1400$ 1/min 18000 Nm

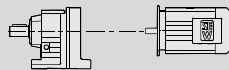
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (/R) [']	i	DV100	DV112	DV132S DV132M	DV132ML DV160M DV160L	DV180	DV200 DV225S DV225M
 2  3										
0.38	18000	120000	-	3637						
0.42	18000	120000	-	3330						
0.51	18000	120000	-	2757						
0.57	18000	120000	-	2436						
0.61	18000	120000	-	2298						
0.68	18000	120000	-	2066						
0.76	18000	120000	-	1849						
0.84	18000	120000	-	1674						
0.94	18000	120000	-	1485						
1.0	18000	120000	-	1342						
1.1	18000	120000	-	1229						
1.3	18000	120000	-	1111						

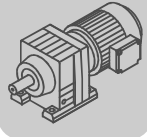


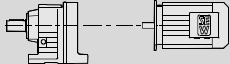
R167R107, $n_e = 1400$ 1/min										18000 Nm
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	φ (I/R) [']	i	DV100	DV112	DV132S DV132M	DV132ML DV160M DV160L	DV180	DV200 DV225S DV225M
1.5	18000	120000	-	950						
1.6	18000	120000	-	860						
1.8	18000	120000	-	763						
2.0	18000	120000	-	690						
2.4	18000	120000	-	585						
2.7	18000	120000	-	511						
 3  2										
4.0	18000	120000	-	349						
4.7	18000	120000	-	295						
5.2	18000	120000	-	270						
6.1	18000	120000	-	229						
7.0	18000	120000	-	200						
8.3	18000	120000	-	169						
 2  2										
3.1	18000	120000	-	446						
3.5	18000	120000	-	399						
3.9	18000	120000	-	361						
4.3	18000	120000	-	328						
4.8	18000	120000	-	291						
5.3	18000	120000	-	264						
6.2	18000	120000	-	227						
7.1	18000	120000	-	198						
8.3	18000	120000	-	168						

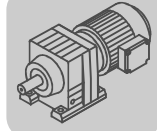


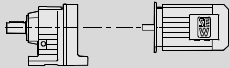
3.3 Selection tables [kW]

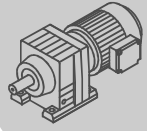
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.09	17	52	78.24	1490	0.95	R RF	07 07	DT DT	56M4 56M4	5.9 5.9	130 131
	18	47	71.47	1520	1.05						
	22	40	60.32	1570	1.25						
	25	34	51.52	1590	1.45						
	27	32	47.78	1600	1.60						
	29	29	44.16	1610	1.70						
	31	27	41.31	1600	1.85						
	32	27	40.34	1590	1.85						
	34	26	38.51	1570	1.95						
	38	23	34.05	1520	2.2						
	45	19	29.08	1460	2.6						
	48	18	26.97	1430	2.8						
	56	15	23.32	1370	3.3						
	60	14	21.73	1350	3.5						
	71	12	18.31	1280	4.1	R RF	07 07	DT DT	56M4 56M4	5.7 5.7	130 131
	78	11	16.73	1250	4.5						
	92	9.3	14.12	1190	5.4						
	108	8.0	12.06	1140	6.3						
	116	7.4	11.18	1110	6.8						
	134	6.4	9.67	1060	7.8						
	144	6.0	9.01	1040	8.3						
	166	5.2	7.85	1000	9.4						
	174	4.9	7.48	980	8.8						
	190	4.5	6.83	960	9.6						
	226	3.8	5.76	910	11						
	264	3.3	4.92	860	11						
	285	3.0	4.57	840	12						
	329	2.6	3.95	810	13						
	353	2.4	3.68	790	14						
	405	2.1	3.21	755	15						
0.12	0.06	13300	21342	62000	1.00	R RF	147 R77 147 R77	DR DR	63S4 63S4	420 430	167 167
	0.08	11400	18210	65700	1.15						
	0.09	9930	15923	67900	1.30						
	0.10	8780	14075	69400	1.50						
	0.11	7650	12344	70700	1.70	R RF	147 R77 147 R77	DR DR	63S4 63S4	420 430	167 167
	0.12	6740	11143	71600	1.95						
	0.14	6040	9743	72200	2.2						
	0.16	4830	8443	73100	2.7						
	0.19	4180	7307	73400	3.1						
	0.21	3690	6447	73700	3.5	R RF	137 R77 137 R77	DR DR	63S4 63S4	290 310	167 167
	0.25	3190	5568	73900	4.1						
	0.11	8060	12921	53300	1.00						
	0.12	7260	11712	54900	1.10						
	0.13	6390	10573	56400	1.25						
	0.16	5030	8784	58400	1.60						
	0.18	4090	7479	59400	1.95						
	0.21	4060	6559	59400	1.95	R RF	107 R77 107 R77	DR DR	63S4 63S4	200 210	167 167
	0.24	3190	5834	60200	2.5						
	0.27	3170	5116	60200	2.5						
	0.18	4410	7583	28800	0.95						
	0.20	3690	6743	32400	1.15						
	0.23	3660	5914	32500	1.15	R RF	107 R77 107 R77	DR DR	63S4 63S4	195 200	167 167
	0.27	2830	5168	35500	1.50						
	0.31	2540	4435	36100	1.70						
	0.35	2270	3896	36500	1.90						
	0.45	1880	3039	36900	2.3						
	0.35	2470	3918	36200	1.75	R RF	107 R77 107 R77	DR DR	63S4 63S4	130 145	167 167
	0.41	2110	3343	36700	2.0						
	0.45	1910	3034	36900	2.3						
	0.52	1670	2653	37100	2.6						
0.61	1440	2280	37300	3.0	R RF	97 R57 97 R57	DR DR	63S4 63S4			
0.67	1300	2067	37400	3.3							
0.30	3050	4559	17700	1.00							
0.34	2570	4004	23700	1.15	R RF	97 R57 97 R57	DR DR	63S4 63S4			
0.40	2270	3481	25200	1.30							

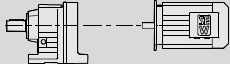


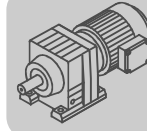
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.12	0.29	3240	4678	4840	0.95	R RF	97 R57 97 R57	DR DR	63S4 63S4	125	167
	0.32	2980	4309	20400	1.00					145	167
	0.37	2560	3702	23700	1.15						
	0.46	2080	3019	26100	1.45						
	0.52	1810	2668	27100	1.65						
	0.61	1480	2245	27700	2.0						
	0.68	1310	2016	27900	2.3						
	0.80	1200	1733	28000	2.5						
	0.45	2120	3065	25900	1.40	R RF	97 R57 97 R57	DR DR	63S4 63S4	130	167
	0.51	1880	2722	26800	1.60					145	167
	0.60	1590	2311	27500	1.90						
	0.66	1430	2078	27700	2.1						
	0.76	1240	1823	28000	2.4						
	0.87	1070	1583	28200	2.8						
	0.99	910	1396	28300	3.3						
	1.1	775	1228	28400	3.9						
	0.48	1770	2873	15200	0.90	R RF	87 R57 87 R57	DR DR	63S4 63S4	86	167
	0.70	1300	1961	18500	1.20					93	167
	0.53	1790	2595	15000	0.85	R RF	87 R57 87 R57	DR DR	63S4 63S4	85	167
	0.65	1430	2129	17700	1.10					92	167
	0.72	1270	1930	18600	1.20						
	0.80	1120	1733	19300	1.40						
	0.79	1150	1737	19200	1.35	R RF	87 R57 87 R57	DR DR	63S4 63S4	85	167
	0.91	1010	1524	19800	1.55					92	167
	1.1	810	1303	20000	1.90						
	1.2	710	1143	20000	2.2						
	1.6	585	885	20000	2.7						
	1.8	515	776	20000	3.0						
	2.0	450	685	20000	3.4						
	2.3	360	599	20000	4.3						
	1.1	940	1303	8660	0.85	R RF	77 R37 77 R37	DR DR	63S4 63S4	45	167
	1.2	800	1124	10100	1.05					51	167
	1.3	740	1047	10600	1.10						
	1.5	640	915	11300	1.30						
	1.1	820	1218	9910	1.00	R RF	77 R37 77 R37	DR DR	63S4 63S4	46	167
	1.3	740	1084	10600	1.10					52	167
	1.5	665	940	11200	1.25						
	1.7	525	821	12000	1.55						
	1.9	480	731	12200	1.70						
	2.1	460	646	12300	1.80						
	2.6	380	520	12600	2.2	R RF	77 R37 77 R37	DR DR	63S4 63S4	45	167
	3.1	325	451	12700	2.5					51	167
	3.3	300	422	12800	2.7						
	3.8	255	365	12900	3.2						
	1.6	630	891	7190	0.95	R RF	67 R37 67 R37	DR DR	63S4 63S4	40	167
	1.9	505	730	8530	1.20					43	167
	2.1	440	644	9060	1.35						
	2.4	385	571	9430	1.55						
	2.8	320	486	9790	1.85						
	1.7	590	836	7670	1.00	R RF	67 R37 67 R37	DR DR	63S4 63S4	41	167
	1.8	495	750	8630	1.20					44	167
	2.1	440	646	9050	1.35						
	2.4	400	574	9330	1.50						
	2.8	345	495	9660	1.75						
	3.1	285	438	9940	2.1						
	1.8	550	782	4650	0.80	R RF	57 R37 57 R37	DR DR	63S4 63S4	34	167
	2.0	455	678	7070	1.00					38	167
	2.3	415	604	7260	1.10						
	2.6	375	537	7400	1.20						
	2.9	330	471	7550	1.35						
	3.9	245	357	7770	1.85						
	4.3	215	319	7830	2.1						

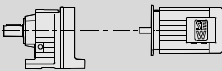


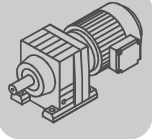
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.12	3.8	260	359	7730	1.75	R RF	57 R37 57 R37	DR DR	63S4 63S4	33	167
	4.3	235	324	7790	1.95					37	167
	4.8	205	290	7840	2.2						
	5.3	185	262	7880	2.4						
	5.6	171	246	7900	2.6						
	6.3	150	220	7930	3.0	R RF	47 R37 47 R37	DR DR	63S4 63S4	28	167
	2.7	345	510	4360	0.85					28	167
	3.2	285	436	5490	1.05						
	3.4	265	408	5590	1.10						
	4.0	220	344	5790	1.35						
	2.8	365	502	3020	0.80	R RF	47 R37 47 R37	DR DR	63S4 63S4	28	167
	3.2	315	429	5350	0.95					28	167
	3.7	270	372	5580	1.10						
	4.0	250	348	5670	1.20						
	4.6	210	301	5810	1.40						
	5.4	177	255	5930	1.70	R RF	37 R17 37 R17	DR DR	63S4 63S4	17	167
	6.0	156	228	5980	1.95					19	167
	7.1	130	195	6040	2.3						
	4.1	225	338	4570	0.90						
	4.7	210	296	4790	0.95						
	5.3	184	259	5130	1.10	R RF	37 R17 37 R17	DR DR	63S4 63S4	17	167
	6.0	163	228	5360	1.25					19	167
	6.9	140	199	5550	1.40						
	8.0	123	172	5680	1.65						
	4.2	240	328	3730	0.85	R RF	37 R17 37 R17	DR DR	63S4 63S4	17	167
	4.8	205	289	4880	1.00					18	167
	5.2	192	265	5040	1.05						
	6.1	156	226	5410	1.30						
	6.8	144	202	5530	1.40						
	7.7	125	179	5660	1.60	R RF	27 R17 27 R17	DR DR	63S4 63S4	11	167
	6.0	158	229	4090	0.80					11	167
	6.9	138	200	4200	0.95						
	7.8	121	177	4270	1.05						
	8.3	116	166	4290	1.10						
	6.1	157	227	4100	0.85	R RF	27 R17 27 R17	DR DR	63S4 63S4	11	167
	6.8	144	203	4170	0.90					11	167
	7.7	125	179	4260	1.05						
	8.8	106	156	4330	1.25						
	4.6	250	195.24*	12900	3.3	R RF	77 77	DR DR	63M6 63M6	37	151
	5.4	210	166.59	13000	3.9					43	152
	6.2	186	145.67	13000	4.4						
	4.5	255	199.81	10100	2.4						
	4.9	235	184.07	10100	2.6	R RF	67 67	DR DR	63M6 63M6	30	148
	5.7	200	158.14	10300	3.0					33	149
	6.5	175	137.67	10300	3.4						
	7.0	164	128.97	10400	3.7						
	7.9	145	113.94	10400	4.1	R RF	67 67	DR DR	63S4 63S4	30	148
	6.9	166	199.81	10300	3.6					33	149
	7.5	153	184.07	10400	3.9						
	4.8	240	186.89	7780	1.90						
	5.2	220	172.17	7820	2.1	R RF	57 57	DR DR	63M6 63M6	23	145
	6.1	188	147.92	7870	2.4					27	146
	7.0	164	128.77	7910	2.7						
	7.5	154	120.63	7920	2.9						
	8.4	136	106.58	7950	3.3	R RF	57 57	DR DR	63S4 63S4	23	145
	9.1	126	98.99	7960	3.6					27	146
	7.4	155	186.89	7920	2.9						
	8.0	143	172.17	7940	3.2						
	9.3	123	147.92	7960	3.7						
	11	107	128.77	7980	4.2						

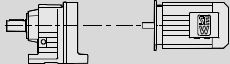


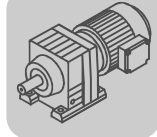
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.12	5.1	225	176.88	5760	1.35	R RF	47 47	DR DR	63M6 63M6	18	142
	5.5	210	162.94	5830	1.45					18	143
	6.4	178	139.99	5920	1.70					18	143
	7.4	155	121.87	5980	1.95					18	143
	7.8	147	176.88	6000	2.0	R RF	47 47	DR DR	63S4 63S4	18	142
	8.5	135	162.94	6030	2.2					18	143
	9.9	116	139.99	6070	2.6					18	142
	11	101	121.87	6100	3.0					18	143
	12	95	114.17	6110	3.2	R RF	37 37	DR DR	63M6 63M6	14	139
	14	84	100.86	6120	3.6					16	140
	15	78	93.68	6130	3.9					16	140
	6.7	172	134.82	5270	1.15					14	139
	7.3	157	123.66	5410	1.25	R RF	37 37	DR DR	63S4 63S4	14	139
	8.6	134	105.28	5600	1.50					16	140
	9.9	116	90.77	5730	1.75					16	140
	11	108	84.61	5770	1.85					16	140
	12	94	73.96	5850	2.1	R RF	27 27	DR DR	63M6 63M6	8.3	136
	10	112	134.82	5750	1.80					8.2	137
	11	103	123.66	5800	1.95					8.2	137
	13	87	105.28	5880	2.3					8.3	136
	15	75	90.77	5930	2.7	R RF	27 27	DR DR	63S4 63S4	8.3	136
	16	70	84.61	5950	2.8					8.2	137
	19	61	73.96	5980	3.3					8.2	137
	7.3	158	123.91	4090	0.80					8.3	136
	8.5	134	105.49	4210	0.95	R RF	17 17	DR DR	63M6 63M6	7.6	133
	9.9	116	90.96	4300	1.10					7.5	134
	11	108	84.78	4330	1.20					7.5	134
	12	94	74.11	4370	1.40					7.5	134
	10	112	135.09	4310	1.15	R RF	17 17	DR DR	63S4 63S4	7.6	133
	11	103	123.91	4340	1.25					7.5	134
	13	88	105.49	4390	1.50					7.5	134
	15	76	90.96	4430	1.70					7.5	134
	16	70	84.78	4440	1.85	R RF	17 17	DR DR	63S4 63S4	7.6	133
	19	62	74.11	4460	2.1					7.5	134
	20	58	69.47	4470	2.3					7.5	134
	23	51	61.30	4400	2.6					7.5	134
	25	46	55.87	4280	2.8	R RF	17 17	DR DR	63S4 63S4	7.6	133
	29	40	48.17	4090	3.3					7.5	134
	31	37	44.90	4000	3.5					7.5	134
	11	104	81.64	300	0.80					7.6	133
	13	90	70.39	1470	0.95	R RF	17 17	DR DR	63M6 63M6	7.6	133
	14	84	65.61	1860	1.00					7.5	134
	16	73	57.35	2430	1.15					7.5	134
	17	68	53.76	2500	1.25					7.5	134
	19	60	47.44	2500	1.40	R RF	17 17	DR DR	63S4 63S4	7.6	133
	17	68	81.64	2500	1.25					7.5	134
	20	58	70.39	2500	1.45					7.5	134
	21	55	65.61	2500	1.55					7.5	134
	24	48	57.35	2500	1.80	R RF	17 17	DR DR	63S4 63S4	7.6	133
	26	45	53.76	2500	1.90					7.5	134
	29	39	47.44	2500	2.2					7.5	134
	31	37	44.18	2500	2.3					7.5	134
	36	32	38.61	2430	2.7	R RF	17 17	DR DR	63S4 63S4	7.6	133
	38	30	36.20	2390	2.8					7.5	134
	43	27	31.94	2310	3.2					7.5	134
	49	24	28.32	2230	3.6					7.5	134
	57	20	24.07	2130	4.3					7.5	134

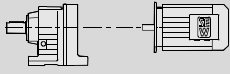


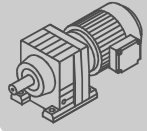
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0.12	22	53	60.32	1480	0.95	R RF	07 07	DT DT	56L4 56L4	5.9 5.9	130 131						
	25	45	51.52	1540	1.10												
	27	42	47.78	1550	1.20												
	29	39	44.16	1550	1.30												
	31	36	41.31	1530	1.35												
	32	36	40.34	1520	1.40												
	34	34	38.51	1510	1.45												
	38	30	34.05	1470	1.65												
	45	26	29.08	1410	1.95												
	48	24	26.97	1390	2.1												
	56	21	23.32	1340	2.4												
	60	19	21.73	1310	2.6												
	71	16	18.31	1250	3.1	R RF	07 07	DT DT	56L4 56L4	5.7 5.7	130 131						
	78	15	16.73	1220	3.4												
	92	12	14.12	1170	4.0												
	108	11	12.06	1120	4.7												
	116	9.9	11.18	1090	5.1												
	134	8.5	9.67	1050	5.9												
	144	7.9	9.01	1030	6.3												
	166	6.9	7.85	990	7.1												
	174	6.6	7.48	970	6.5												
	190	6.0	6.83	950	7.2												
	226	5.1	5.76	900	7.8												
	264	4.3	4.92	860	8.6												
	285	4.0	4.57	840	9.0												
	329	3.5	3.95	800	9.7	RX RXF	67 67	DR DR	63S4 63S4	16 20	120 121						
	353	3.2	3.68	780	10												
	405	2.8	3.21	750	11												
	227	5.0	6.07	4270	8.6												
	267	4.3	5.18	4050	17												
	305	3.8	4.53	3870	22												
	321	3.6	4.30*	3810	22												
	251	4.6	5.50*	3360	8.5							RX RXF	57 57	DR DR	63S4 63S4	14 16	118 119
	272	4.2	5.07	3270	8.6												
	317	3.6	4.35	3120	19												
	364	3.1	3.79	2980	22												
	389	2.9	3.55*	2910	24												
	440	2.6	3.14	2800	25												
	474	2.4	2.91	2730	28												
	523	2.2	2.64*	2640	31												
	582	2.0	2.37	2550	35												
	676	1.7	2.04	2430	41												
	719	1.6	1.92*	2380	43												
	835	1.4	1.65	2260	49												
0.18	0.09	15000	14075	50900	0.85	R RF	147 R77 147 R77	DR DR	63M4 63M4	420 430	167 167						
	0.11	13100	12344	62500	1.00												
	0.12	11600	11143	65200	1.10												
	0.14	10300	9743	67300	1.25												
	0.16	8550	8443	69700	1.50	R RF	147 R77 147 R77	DR DR	63M4 63M4	420 430	167 167						
	0.18	7400	7307	70900	1.75												
	0.20	6530	6447	71800	2.0												
	0.24	5640	5568	72500	2.3												
	0.27	5150	4926	72800	2.5												
	0.31	4420	4325	73300	2.9												
	0.35	3920	3754	73600	3.3												
	0.40	3380	3302	73800	3.9												
	0.15	8900	8784	50100	0.90	R RF	137 R77 137 R77	DR DR	63M4 63M4	290 310	167 167						
	0.18	7390	7479	54600	1.10												
	0.20	6950	6559	55500	1.15												
	0.23	5770	5834	57400	1.40												
	0.26	5420	5116	57900	1.50												
	0.30	4520	4464	59000	1.75												
	0.34	3980	3928	59500	2.0												
	0.28	5060	4709	58300	1.60							R RF	137 R77 137 R77	DR DR	63M4 63M4	280 300	167 167
0.33	4320	4018	59200	1.85													
0.38	3780	3514	59700	2.1													
0.40	3590	3338	59900	2.2													
0.45	3150	2929	60200	2.5													

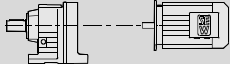


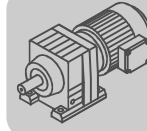
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.18	0.30	4490	4435	28400	0.95	R RF	107 R77 107 R77	DR DR	63M4 63M4	200	167
	0.34	3980	3896	31100	1.10					210	167
	0.43	3220	3039	34200	1.35						
	0.34	4210	3918	29900	1.00	R RF	107 R77 107 R77	DR DR	63M4 63M4	195	167
	0.39	3590	3343	32800	1.20					200	167
	0.44	3260	3034	34100	1.30						
	0.50	2850	2653	35400	1.50						
	0.58	2450	2280	36200	1.75						
	0.64	2220	2067	36500	1.95						
	0.66	2100	1987	36700	2.1	R RF	107 R77 107 R77	DR DR	63M4 63M4	200	167
	0.72	1870	1827	36900	2.3					205	167
	0.83	1600	1599	37200	2.7						
	0.94	1440	1400	37300	3.0						
	1.1	1230	1226	37400	3.5						
	0.49	3000	2668	20000	1.00	R RF	97 R57 97 R57	DR DR	63M4 63M4	125	167
	0.59	2480	2245	24200	1.20					145	167
	0.65	2210	2016	25500	1.35						
	0.76	1970	1733	26500	1.50						
	0.81	1840	1623	27000	1.65						
	0.92	1610	1434	27500	1.85						
	1.1	1330	1207	27900	2.3						
	1.2	1190	1084	28000	2.5						
	1.4	1000	934	28200	3.0						
	1.5	940	878	28300	3.2						
	1.8	790	755	28400	3.8						
	0.49	3090	2722	15900	0.95	R RF	97 R57 97 R57	DR DR	63M4 63M4	130	167
	0.57	2620	2311	23400	1.15					145	167
	0.64	2360	2078	24800	1.25						
	0.89	1690	1489	15900	0.90	R RF	87 R57 87 R57	DR DR	63M4 63M4	85	167
	0.95	1580	1395	16700	1.00					92	167
	1.1	1380	1232	18000	1.10						
	1.2	1280	1145	18600	1.20						
	1.3	1150	1037	19200	1.35						
	1.4	1020	931	19800	1.50						
	1.7	860	802	20000	1.80						
	0.87	1680	1524	15900	0.90	R RF	87 R57 87 R57	DR DR	63M4 63M4	85	167
	1.0	1390	1303	17900	1.10					92	167
	1.2	1220	1143	18900	1.25						
	1.5	980	885	19900	1.60						
	1.7	860	776	20000	1.80						
	1.5	980	858	5830	0.85	R RF	77 R37 77 R37	DR DR	63M4 63M4	45	167
	1.7	850	757	9590	0.95					51	167
	2.0	750	671	10500	1.10						
	2.3	630	571	11400	1.30						
	1.6	890	821	9230	0.90	R RF	77 R37 77 R37	DR DR	63M4 63M4	46	167
	1.8	800	731	10100	1.00					52	167
	2.0	745	646	10500	1.10						
	2.4	645	560	11300	1.25						
	2.7	550	488	11800	1.50						
	3.0	490	436	12100	1.70						
	3.5	420	373	12400	1.95						
	4.0	370	327	12600	2.2						
	4.6	330	289	12700	2.5						
	2.3	640	571	7060	0.95	R RF	67 R37 67 R37	DR DR	63M4 63M4	40	167
	2.7	535	486	8250	1.10					43	167
	2.3	655	574	5820	0.90	R RF	67 R37 67 R37	DR DR	63M4 63M4	41	167
	2.7	565	495	7950	1.05					44	167
	3.0	480	438	8740	1.25						
	3.4	425	388	9160	1.40						
	3.8	395	344	9380	1.55						
	4.5	320	294	9800	1.90						
	5.1	290	261	9920	2.1						
	2.9	500	454	6650	0.90	R RF	57 R37 57 R37	DR DR	63M4 63M4	33	167
	3.2	455	410	7090	1.00					37	167

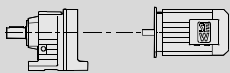


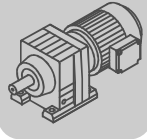
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B					m [kg]	
0.18	2.8	540	471	5250	0.85	R RF	57 R37 57 R37	DR DR	63M4 63M4	34	167
	3.7	405	357	7300	1.10					38	167
	4.1	355	319	7460	1.25						
	4.8	300	273	7630	1.50						
	5.5	260	241	7730	1.75						
	6.1	235	215	7790	1.95	R RF	57 R37 57 R37	DR DR	63M4 63M4	33	167
	3.7	420	359	7230	1.05					37	167
	4.1	380	324	7380	1.20						
	4.5	335	290	7530	1.35						
	5.0	305	262	7620	1.50						
	5.4	280	246	7680	1.60						
	6.0	250	220	7750	1.80						
	7.0	210	188	7830	2.1						
	8.3	177	159	7890	2.6	R RF	47 R37 47 R37	DR DR	63M4 63M4	28	167
	4.4	350	301	4150	0.85					28	167
	5.2	290	255	5460	1.05						
	5.8	260	228	5630	1.15						
	6.8	220	195	5790	1.40	R RF	37 R17 37 R17	DR DR	63M4 63M4	17	167
	6.6	230	199	4510	0.85					19	167
	7.7	199	172	4960	1.00						
	8.8	173	150	5260	1.15	R RF	37 R17 37 R17	DR DR	63M4 63M4	17	167
	6.5	235	202	4050	0.85					18	167
	7.4	205	179	4870	0.95						
	8.5	176	156	5230	1.15	R RF	27 R17 27 R17	DR DR	63M4 63M4	11	167
	9.4	157	141	4100	0.85					11	167
	11	139	124	4190	0.95						
	12	125	110	4260	1.05						
	14	105	94	4340	1.25	R RF	27 R17 27 R17	DR DR	63M4 63M4	11	167
	9.8	152	135	4120	0.85					11	167
	11	139	118	4190	0.95						
	13	121	104	4270	1.10						
	15	105	90	4340	1.25	R RF	77 77	DR DR	63L6 63L6	38	151
	4.5	385	195.24*	12500	2.1					43	152
	5.2	330	166.59	12700	2.5	R RF	77 77	DR DR	63L6 63L6	38	151
	6.0	290	145.67	12800	2.9					43	152
	6.3	275	138.39	12900	3.0						
	7.2	240	121.42	12900	3.4						
	6.8	255	195.24*	12900	3.2	R RF	77 77	DR DR	63M4 63M4	37	151
	7.9	215	166.59	13000	3.8					43	152
	9.1	190	145.67	13000	4.3						
	9.5	180	138.39	13000	4.6						
	4.4	395	199.81	9370	1.50					31	148
	4.7	365	184.07	9560	1.65					34	149
	5.5	310	158.14	9830	1.90	R RF	67 67	DR DR	63L6 63L6		
	6.3	270	137.67	10000	2.2						
	6.8	255	128.97	10100	2.4						
	7.6	225	113.94	10200	2.7						
	8.2	210	105.83	10200	2.9						
	9.1	190	95.91	10300	3.2						
	10	170	86.11	10300	3.5						
	12	147	74.17	10400	4.1						
	12	138	69.75	10400	4.4						
	6.6	260	199.81	10100	2.3	R RF	67 67	DR DR	63M4 63M4	30	148
	7.2	240	184.07	10100	2.5					33	149
	8.3	205	158.14	10200	2.9						
	9.6	179	137.67	10300	3.4						
	10	168	128.97	10300	3.6						
	12	148	113.94	10400	4.0						
	12	138	105.83	10400	4.4	R RF	57 57	DR DR	63L6 63L6	24	145
	4.7	370	186.89	7420	1.20					27	146
	5.0	340	172.17	7510	1.30						
	5.9	290	147.92	7650	1.55						
	6.8	255	128.77	7740	1.75						
	7.2	240	120.63	7780	1.90						



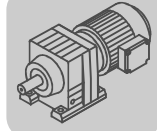
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.18	7.1	245	186.89	7770	1.85	R RF	57 57	DR DR	63M4 63M4	23	145
	7.7	225	172.17	7810	2.0					27	146
	8.9	193	147.92	7870	2.3						
	10	168	128.77	7900	2.7						
	11	157	120.63	7920	2.9						
	12	139	106.58	7940	3.2						
	13	129	98.99	7950	3.5						
	15	117	89.71	7970	3.9						
	7.5	230	176.88	5740	1.30	R RF	47 47	DR DR	63M4 63M4	18	142
	8.1	210	162.94	5810	1.40					18	143
	9.4	182	139.99	5910	1.65						
	11	159	121.87	5980	1.90						
	12	149	114.17	6000	2.0						
	13	131	100.86	6040	2.3						
	14	122	93.68	6060	2.5						
	16	111	84.90	6080	2.7						
	17	99	76.23	6100	3.0						
	7.0	245	123.66	3060	0.80	R RF	37 37	DR DR	63L6 63L6	15	139
	8.3	210	105.28	4840	0.95					16	140
	9.6	179	90.77	5190	1.10						
	10	167	84.61	5310	1.20						
	9.8	176	134.82	5230	1.15	R RF	37 37	DR DR	63M4 63M4	14	139
	11	161	123.66	5370	1.25					16	140
	13	137	105.28	5580	1.45						
	15	118	90.77	5710	1.70						
	16	110	84.61	5760	1.80						
	18	96	73.96	5840	2.1						
	19	90	69.33	5870	2.2						
	22	80	61.18	5920	2.5						
	24	73	55.76	5940	2.8						
	27	63	48.08	5960	3.2						
	11	161	123.91	4070	0.80	R RF	27 27	DR DR	63M4 63M4	8.3	136
	13	137	105.49	4200	0.95					8.2	137
	15	118	90.96	4280	1.10						
	16	110	84.78	4320	1.20						
	18	97	74.11	4370	1.35						
	19	91	69.47	4380	1.45						
	22	80	61.30	4320	1.65						
	24	73	55.87	4210	1.80						
	27	63	48.17	4040	2.1						
	29	59	44.90	3960	2.2						
	34	51	39.25	3810	2.5						
	36	48	36.79	3740	2.7						
	41	42	32.47	3610	3.1						
	46	38	28.78	3480	3.5						
	54	32	24.47	3310	4.1						
	47	37	28.37	3470	3.5	R RF	27 27	DR DR	63M4 63M4	8.0	136
	51	34	26.09	3380	3.8					7.9	137
	59	29	22.32	3220	4.5						
	68	25	19.35	3090	5.2						
	73	24	18.08	3020	5.5						
	84	20	15.63	2890	6.4						
	99	17	13.28*	2750	7.5						
	16	106	81.64	46	0.80	R RF	17 17	DR DR	63M4 63M4	7.6	133
	19	92	70.39	1330	0.95					7.5	134
	20	85	65.61	1740	1.00						
	23	75	57.35	2350	1.15						
	25	70	53.76	2500	1.20						
	28	62	47.44	2450	1.40						
	30	58	44.18	2410	1.50						
	34	50	38.61	2340	1.70						
	36	47	36.20	2300	1.80						
	41	42	31.94	2240	2.0						
	47	37	28.32	2170	2.3						
	55	31	24.07	2080	2.7						

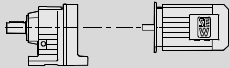


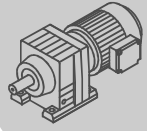
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.18	52	33	25.23	2110	2.6	R RF	17 17	DR DR	63M4 63M4	7.3	133
	57	30	23.15	2060	2.8					7.2	134
	67	26	19.71	1970	3.3						
	78	22	16.99	1890	3.9						
	28	62	47.78	1110	0.80	R RF	07 07	DR DR	63M4 63M4	6.5	130
	30	58	44.16	1340	0.85					6.5	131
	32	54	41.31	1390	0.95						
	33	53	40.34	1390	0.95						
	34	50	38.51	1380	1.00						
	39	44	34.05	1350	1.15						
	45	38	29.08	1310	1.30						
	49	35	26.97	1290	1.40						
	57	30	23.32	1250	1.65						
	61	28	21.73	1240	1.75						
	72	24	18.31	1190	2.1	R RF	07 07	DR DR	63M4 63M4	6.3	130
	79	22	16.73	1160	2.3					6.3	131
	94	18	14.12	1120	2.7						
	109	16	12.06	1070	3.2						
	118	15	11.18	1050	3.4						
	137	13	9.67	1010	4.0						
	146	12	9.01	990	4.3						
	168	10	7.85	960	4.8						
	177	9.7	7.48	940	4.4						
	193	8.9	6.83	920	4.8						
	229	7.5	5.76	880	5.3						
	268	6.4	4.92	840	5.8						
	289	5.9	4.57	820	6.1						
	334	5.1	3.95	785	6.7						
	359	4.8	3.68	765	6.9						
	412	4.2	3.21	735	7.4						
	243	7.1	11.18	860	7.0	R RF	07 07	DR DR	63S2 63S2	6.3	130
	281	6.1	9.67	820	8.2					6.3	131
	302	5.7	9.01	810	8.8						
	346	5.0	7.85	775	9.8						
	364	4.7	7.48	765	9.2						
	398	4.3	6.83	740	10						
	472	3.6	5.76	705	11						
	552	3.1	4.92	670	12						
	596	2.9	4.57	655	12						
	689	2.5	3.95	625	14						
	739	2.3	3.68	615	14						
	848	2.0	3.21	585	16						
	143	12	6.07	4940	3.6	RX RXF	67 67	DR DR	63L6 63L6	17	120
	168	10	5.18	4690	7.4					21	121
	192	8.9	4.53	4490	9.2						
	202	8.5	4.30*	4410	9.4						
	218	7.9	6.07	4310	5.4	RX RXF	67 67	DR DR	63M4 63M4	16	120
	255	6.7	5.18	4090	11					20	121
	292	5.9	4.53	3920	14						
	307	5.6	4.30*	3850	14						
	350	4.9	3.77	3690	18						
	413	4.2	3.20*	3500	24						
	457	3.8	2.89	3380	28						
	519	3.3	2.54	3240	36						
	550	3.1	2.40*	3180	40						
	646	2.7	2.04	3020	50						
	158	11	5.50*	3880	3.6	RX RXF	57 57	DR DR	63L6 63L6	14	118
	172	10	5.07	3780	3.6					16	119
	200	8.6	4.35	3600	7.9						
	230	7.5	3.79	3440	9.2						



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.18	240	7.2	5.50*	3400	5.4	RX	57	DR	63M4	14	118
	261	6.6	5.07	3310	5.5						
	303	5.7	4.35	3150	12						
	348	4.9	3.79	3010	14						
	372	4.6	3.55*	2950	15						
	421	4.1	3.14	2830	16						
	453	3.8	2.91	2760	18						
	500	3.4	2.64*	2670	20						
	557	3.1	2.37	2580	22						
	647	2.7	2.04	2460	26						
	688	2.5	1.92*	2410	28						
	799	2.2	1.65	2290	31						
0.25	0.13	15200	9743	48200	0.85	R	147 R77	DR	63L4	420	167
	0.15	12800	8443	63100	1.00						
	0.18	11000	7307	66200	1.20						
	0.20	9740	6447	68100	1.35						
	0.23	8410	5568	69800	1.55						
	0.26	7600	4926	70700	1.70						
	0.30	6570	4325	71700	2.0						
	0.35	5790	3754	72400	2.3						
	0.39	5020	3302	72900	2.6						
	0.45	4380	2898	73300	3.0						
	0.22	8670	5834	51100	0.90						
	0.25	7970	5116	53500	1.00						
	0.29	6740	4464	55800	1.20						
	0.33	5930	3928	57100	1.35						
	0.28	7430	4709	54600	1.10						
	0.32	6340	4018	56500	1.25						
	0.37	5550	3514	57700	1.45						
	0.39	5270	3338	58100	1.50						
	0.44	4620	2929	58900	1.75						
	0.49	4190	2658	59300	1.90						
	0.54	3800	2412	59700	2.1						
	0.63	3270	2073	60100	2.5						
	0.71	2810	1839	60500	2.8						
	0.93	2180	1397	60800	3.7						
	1.1	1890	1226	61000	4.2						
	0.43	4730	3039	25600	0.90						
	0.43	4790	3034	23600	0.90						
	0.65	3100	1987	34600	1.40						
	0.71	2790	1827	35600	1.55						
	0.81	2410	1599	36300	1.80						
	0.93	2140	1400	36600	2.0						
	1.1	1840	1226	36900	2.3						
	1.4	1440	939	37300	3.0						
	1.6	1240	822	37400	3.5						
	0.75	2840	1733	22000	1.05						
	0.80	2660	1623	23200	1.15						
	0.71	2960	1823	21100	1.00						
	0.82	2570	1583	23700	1.15						
	0.93	2230	1396	25400	1.35						
	1.1	1940	1228	26600	1.55						
	1.2	1750	1069	27300	1.70						
	1.4	1530	938	27600	1.95						
	1.6	1300	824	27900	2.3						
	1.8	1160	737	28100	2.6						
	2.1	1000	632	28200	3.0						
	1.1	1850	1145	10700	0.85						
	1.2	1670	1037	16000	0.95						
	1.4	1490	931	17400	1.05						
	1.6	1270	802	18600	1.20						

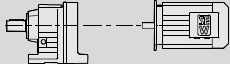


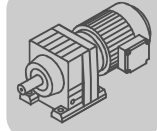
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.25	1.1	1800	1143	14700	0.85	R RF	87 R57 87 R57	DR DR	63L4 63L4	86	167
	1.5	1420	885	17800	1.10					93	167
	1.7	1250	776	18700	1.25						
	1.9	1100	685	19400	1.40						
	2.2	930	599	20000	1.65						
	2.5	820	525	20000	1.90						
	2.9	715	456	20000	2.2						
	4.9	415	268	20000	3.7						
	2.3	920	571	8910	0.90	R RF	77 R37 77 R37	DR DR	63L4 63L4	46 52	167 167
	2.3	930	560	8780	0.90	R RF	77 R37 77 R37	DR DR	63L4 63L4	47	167
	2.7	795	488	10100	1.05					53	167
	3.0	705	436	10900	1.15						
	3.5	610	373	11500	1.35						
	4.0	535	327	11900	1.55						
	4.5	475	289	12200	1.75						
	5.0	425	260	12400	1.95						
	5.8	355	224	12600	2.3						
	3.4	620	388	7290	0.95	R RF	67 R37 67 R37	DR DR	63L4 63L4	41	167
	3.8	565	344	7950	1.05					45	167
	4.4	465	294	8870	1.30						
	5.0	425	261	9180	1.40						
	5.5	380	234	9460	1.60						
	6.5	320	200	9780	1.85						
	7.4	280	176	9980	2.2						
	8.2	250	158	10100	2.4						
	3.4	645	384	6960	0.95	R RF	67 R37 67 R37	DR DR	63L4 63L4	41	167
	3.6	600	359	7550	1.00					44	167
	4.2	515	310	8430	1.15						
	4.9	435	264	9100	1.40						
	5.5	385	235	9420	1.55						
	6.5	325	201	9750	1.85						
	7.2	295	181	9910	2.0						
	4.1	520	319	6050	0.85	R RF	57 R37 57 R37	DR DR	63L4 63L4	35	167
	4.8	440	273	7160	1.05					38	167
	5.4	380	241	7380	1.20						
	6.0	340	215	7510	1.30						
	7.0	300	187	7630	1.50						
	7.9	260	164	7730	1.75						
	9.2	225	142	7800	2.0						
	4.0	545	324	4980	0.85	R RF	57 R37 57 R37	DR DR	63L4 63L4	34	167
	4.5	485	290	6950	0.95					37	167
	5.0	435	262	7160	1.05						
	5.3	405	246	7280	1.10						
	5.9	360	220	7450	1.25						
	5.7	375	228	2440	0.80	R RF	47 R37 47 R37	DR DR	63L4 63L4	29	167
	6.7	315	195	5320	0.95					29	167
	7.1	295	182	5440	1.00						
	8.5	245	154	5680	1.20						
	8.7	250	150	2540	0.80	R RF	37 R17 37 R17	DR DR	63L4 63L4	18	167
	10	210	130	4790	0.95					19	167
	10	200	124	4930	1.00						
	12	178	110	5200	1.10						
	14	152	94	5460	1.30						
	9.7	220	135	4660	0.90	R RF	37 R17 37 R17	DR DR	63L4 63L4	18	167
	10	215	127	4770	0.95					19	167
	13	174	104	5250	1.15						
	14	150	90	5470	1.35						
	2.4	1020	289.74	28200	3.0	R RF	97 97	DT DT	80N8 80N8	110	157
	2.7	900	255.71	28300	3.3					125	158
	2.8	850	241.25	28400	3.5						
	3.1	760	216.28	28400	4.0						

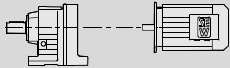


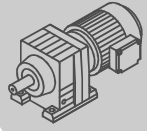
Helical Gearmotors

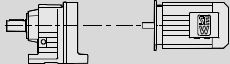
Selection tables [kW]

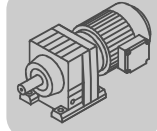
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.25	2.8	870	246.54	20000	1.80	R RF	87 87	DT DT	80N8 80N8	68	154
	3.1	760	216.54	20000	2.0					75	155
	3.3	720	205.71	20000	2.2						
	3.7	640	181.77	20000	2.4						
	4.1	585	166.59	11600	1.40	R RF	77 77	DT DT	80N8 80N8	42	151
	4.7	510	145.67	12000	1.60					48	152
	4.9	485	138.39	12100	1.70						
	5.6	425	121.42	12400	1.90						
	4.5	530	195.24*	11900	1.55	R RF	77 77	DT DT	71D6 71D6	38	151
	5.3	450	166.59	12300	1.80					44	152
	6.0	395	145.67	12500	2.1						
	6.7	360	195.24*	12600	2.3	R RF	77 77	DR DR	63L4 63L4	38	151
	7.8	305	166.59	12800	2.7					43	152
	8.9	270	145.67	12900	3.1						
	9.4	255	138.39	12900	3.2						
	11	225	121.42	13000	3.7						
	4.3	555	158.14	8060	1.10	R RF	67 67	DT DT	80N8 80N8	35	148
	4.9	485	137.67	8730	1.25					38	149
	5.3	455	128.97	8970	1.35						
	6.0	400	113.94	9340	1.50						
	4.4	540	199.81	8190	1.10	R RF	67 67	DT DT	71D6 71D6	32	148
	4.8	500	184.07	8590	1.20					35	149
	5.6	430	158.14	9140	1.40						
	6.4	375	137.67	9500	1.60						
	6.8	350	128.97	9630	1.70						
	7.7	310	113.94	9840	1.95						
	8.3	285	105.83	9940	2.1						
	6.5	365	199.81	9540	1.65	R RF	67 67	DR DR	63L4 63L4	31	148
	7.1	340	184.07	9700	1.80					34	149
	8.2	290	158.14	9930	2.1						
	9.4	255	137.67	10100	2.4						
	10	235	128.97	10100	2.5						
	11	210	113.94	10200	2.9						
	12	194	105.83	10300	3.1						
	14	176	95.91	10300	3.4						
	15	158	86.11	10400	3.8						
	4.7	505	186.89	6450	0.90	R RF	57 57	DT DT	71D6 71D6	25	145
	5.1	465	172.17	7030	0.95					29	146
	6.0	400	147.92	7300	1.10						
	6.8	350	128.77	7480	1.30						
	7.3	325	120.63	7550	1.35						
	8.3	290	106.58	7660	1.55						
	8.9	270	98.99	7710	1.70						
	7.0	345	186.89	7500	1.30	R RF	57 57	DR DR	63L4 63L4	24	145
	7.5	315	172.17	7590	1.40					27	146
	8.8	270	147.92	7700	1.65						
	10	235	128.77	7780	1.90						
	11	220	120.63	7810	2.0						
	12	196	106.58	7860	2.3						
	13	182	98.99	7880	2.5						
	14	165	89.71	7910	2.7						
	16	148	80.55	7930	3.0						
	19	127	69.23	7960	3.5						

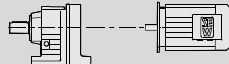


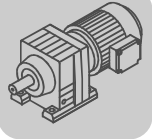
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.25	7.4	325	176.88	5280	0.90	R RF	47 47	DR DR	63L4 63L4	19 19	142 143
	8.0	300	162.94	5420	1.00						
	9.3	255	139.99	5630	1.15						
	11	225	121.87	5770	1.35						
	11	210	114.17	5820	1.45						
	13	185	100.86	5900	1.60						
	14	172	93.68	5940	1.75						
	15	156	84.90	5980	1.90						
	17	140	76.23	6020	2.1						
	19	126	68.54	6050	2.4						
	20	118	64.21	6070	2.5						
	23	104	56.73	6090	2.9						
	25	97	52.69	6100	3.1						
	27	88	47.75	6080	3.4						
	9.6	250	134.82	2630	0.80	R RF	37 37	DR DR	63L4 63L4	15 16	139 140
	11	225	123.66	4560	0.90						
	12	193	105.28	5030	1.05						
	14	167	90.77	5320	1.20						
	15	155	84.61	5420	1.30						
	18	136	73.96	5590	1.45						
	19	127	69.33	5650	1.55						
	21	112	61.18	5750	1.80						
	23	102	55.76	5800	1.95						
	27	88	48.08	5870	2.3						
	29	82	44.81	5760	2.4						
	33	72	39.17	5540	2.8						
	35	67	36.72	5430	3.0						
	40	60	32.40	5230	3.4						
	15	156	84.78	4100	0.85	R RF	27 27	DR DR	63L4 63L4	9.0 8.9	136 137
	18	136	74.11	4210	0.95						
	19	128	69.47	4250	1.00						
	21	113	61.30	4190	1.15						
	23	103	55.87	4090	1.25						
	27	89	48.17	3940	1.45						
	29	83	44.90	3870	1.60						
	33	72	39.25	3730	1.80						
	35	68	36.79	3670	1.90						
	40	60	32.47	3540	2.2						
	45	53	28.78	3420	2.5						
	53	45	24.47	3270	2.9						
	46	52	28.37	3410	2.5	R RF	27 27	DR DR	63L4 63L4	8.7 8.6	136 137
	50	48	26.09	3330	2.7						
	58	41	22.32	3180	3.2						
	67	36	19.35	3050	3.7						
	72	33	18.08	2990	3.9						
	83	29	15.63	2860	4.5						
	98	24	13.28*	2730	5.3						
	110	22	11.86	2630	5.9						
	128	19	10.13	2510	6.6						
	138	17	9.41	2440	7.1						
	159	15	8.16	2330	7.7						
	170	14	7.63*	2290	8.0						
	197	12	6.59	2180	8.8						
	232	10	5.60*	2080	9.6						
	260	9.2	5.00*	2000	10						
	304	7.8	4.27	1910	11						
	325	7.3	4.00*	1870	12						
	386	6.2	3.37	1770	13						
	23	105	57.35	156	0.80	R RF	17 17	DR DR	63L4 63L4	8.3 8.2	133 134
	24	99	53.76	785	0.85						
	27	87	47.44	1630	1.00						
	29	81	44.18	2000	1.05						
	34	71	38.61	2200	1.20						
	36	67	36.20	2180	1.30						
	41	59	31.94	2130	1.45						
	46	52	28.32	2070	1.65						
	54	44	24.07	2000	1.90						

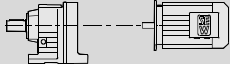


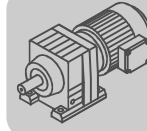
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.25	52	46	25.23	2020	1.85	R RF	17 17	DR DR	63L4 63L4	8.0 7.9	133 134
	56	43	23.15	1980	2.0						
	66	36	19.71	1910	2.4						
	77	31	16.99	1840	2.7						
	82	29	15.84	1810	2.9						
	94	25	13.84	1750	3.4						
	100	24	12.98	1720	3.6						
	114	21	11.45	1660	3.9						
	38	63	34.05	1090	0.80	R RF	07 07	DR DR	63L4 63L4	7.2 7.2	130 131
	45	53	29.08	1200	0.95						
	48	50	26.97	1190	1.00						
	56	43	23.32	1170	1.15						
	60	40	21.73	1160	1.25						
	71	34	18.31	1120	1.50	R RF	07 07	DR DR	63L4 63L4	7.0 7.0	130 131
	78	31	16.73	1100	1.65						
	92	26	14.12	1070	1.95						
	108	22	12.06	1030	2.3						
	116	21	11.18	1010	2.4						
	134	18	9.67	980	2.8						
	144	17	9.01	960	3.0						
	166	14	7.85	930	3.4						
	174	14	7.48	920	3.1						
	190	13	6.83	900	3.4						
	226	11	5.76	860	3.8						
	264	9.0	4.92	820	4.1						
	285	8.4	4.57	800	4.3						
	329	7.3	3.95	770	4.7						
	353	6.8	3.68	755	4.9						
	405	5.9	3.21	725	5.3						
	238	10	11.18	840	5.0	R RF	07 07	DR DR	63M2 63M2	6.3 6.3	130 131
	275	8.7	9.67	810	5.8						
	295	8.1	9.01	795	6.2						
	339	7.0	7.85	765	7.0						
	356	6.7	7.48	755	6.4						
	389	6.1	6.83	735	7.1						
	461	5.2	5.76	700	7.7						
	540	4.4	4.92	665	8.4						
	583	4.1	4.57	650	8.8						
	674	3.5	3.95	625	9.7						
	723	3.3	3.68	610	10						
	829	2.9	3.21	585	11						
	145	17	6.07	4890	2.6	RX RXF	67 67	DT DT	71D6 71D6	19 23	120 121
	170	14	5.18	4650	5.4						
	194	12	4.53	4450	6.7						
	205	12	4.30*	4380	6.8						
	214	11	6.07	4310	3.9	RX RXF	67 67	DR DR	63L4 63L4	17 21	120 121
	251	9.5	5.18	4100	7.9						
	287	8.3	4.53	3920	9.9						
	302	7.9	4.30*	3860	10						
	345	6.9	3.77	3700	13						
	406	5.9	3.20*	3500	17						
	450	5.3	2.89	3390	20						
	511	4.7	2.54	3250	25						
	542	4.4	2.40*	3190	28						
	636	3.8	2.04	3020	35						
	160	15	5.50*	3840	2.6	RX RXF	57 57	DT DT	71D6 71D6	16 18	118 119
	174	14	5.07	3740	2.6						
	202	12	4.35	3560	5.8						
	232	10	3.79	3410	6.7						

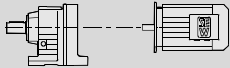
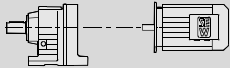
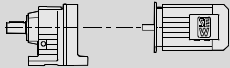
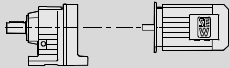
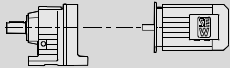
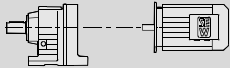
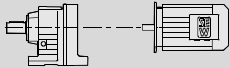


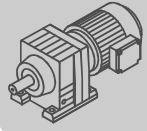
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.25	236	10	5.50*	3390	3.9	RX RXF	57 57	DR DR	63L4 63L4	14 16	118 119
	257	9.3	5.07	3300	3.9						
	299	8.0	4.35	3150	8.5						
	343	7.0	3.79	3010	9.9						
	366	6.5	3.55*	2950	11						
	414	5.8	3.14	2830	11						
	446	5.3	2.91	2760	13						
	492	4.8	2.64*	2680	14						
	548	4.4	2.37	2580	16						
	637	3.7	2.04	2460	19						
677	3.5	1.92*	2410	20							
787	3.0	1.65	2300	23							
0.37	0.19	15900	7307	37500	0.80	R RF	147 R77 147 R77	DT DT	71D4 71D4	420 430	167 167
	0.21	14100	6447	60400	0.90						
	0.25	12100	5568	64300	1.05						
	0.28	10900	4926	66400	1.20						
	0.32	9480	4325	68500	1.35						
	0.37	8310	3754	70000	1.55						
	0.42	7240	3302	71100	1.80						
	0.48	6320	2898	71900	2.1						
	0.31	9740	4464	39400	0.80	R RF	137 R77 137 R77	DT DT	71D4 71D4	290 315	167 167
	0.35	8570	3928	51500	0.95						
	0.34	9080	4018	49200	0.90						
	0.39	7940	3514	53500	1.00						
	0.41	7540	3338	54300	1.05						
	0.47	6620	2929	56000	1.20						
	0.56	5600	2484	57600	1.45						
	0.62	5030	2242	58400	1.60						
	0.52	6000	2658	57000	1.35	R RF	137 R77 137 R77	DT DT	71D4 71D4	290 310	167 167
	0.57	5440	2412	57800	1.45						
	0.67	4680	2073	58800	1.70						
	0.75	4060	1839	59400	1.95						
	0.99	3130	1397	60200	2.6						
	1.1	2720	1226	60500	2.9						
	1.3	2440	1090	60700	3.3						
	1.4	2130	951	60900	3.8						
	0.67	4660	2067	27300	0.90	R RF	107 R77 107 R77	DT DT	71D4 71D4	195 205	167 167
	0.82	3790	1693	31900	1.15						
	0.89	3420	1550	33500	1.25						
	0.98	3110	1407	34600	1.40						
	1.1	2670	1209	35900	1.60						
	1.3	2330	1055	36400	1.85						
	0.69	4450	1987	28600	0.95						
	0.76	4030	1827	30800	1.05	R RF	107 R77 107 R77	DT DT	71D4 71D4	200 210	167 167
	0.86	3490	1599	33200	1.25						
	0.99	3090	1400	34600	1.40						
	1.1	2670	1226	35900	1.60						
	1.5	2070	939	36700	2.1						
	1.7	1790	822	37000	2.4						
	1.1	2760	1207	22500	1.10						
	1.3	2470	1084	24300	1.20						
	0.99	3180	1396	10800	0.95	R RF	97 R57 97 R57	DT DT	71D4 71D4	130 145	167 167
	1.1	2780	1228	22500	1.10						
	1.3	2480	1069	24200	1.20						
	1.5	2160	938	25700	1.40						
	1.7	1860	824	26900	1.60						
	1.9	1670	737	27400	1.80						
	2.2	1430	632	27700	2.1						
	3.2	980	431	28200	3.1						
	3.6	860	379	28300	3.5						
	4.1	765	336	28400	3.9						
	1.7	1810	802	13800	0.85	R RF	87 R57 87 R57	DT DT	71D4 71D4	87 94	167 167
1.8	1700	754	15800	0.90							
2.1	1450	649	17600	1.05							



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.37	1.8	1780	776	15100	0.85	R RF	87 R57 87 R57	DT DT	71D4 71D4	87	167
	2.0	1570	685	16800	1.00					95	167
	2.3	1340	599	18300	1.15						
	2.6	1170	525	19100	1.30						
	3.0	1030	456	19700	1.50						
	5.2	595	268	20000	2.6						
	5.9	525	236	20000	2.9	R RF	87 R57 87 R57	DT DT	71D4 71D4	86	167
	2.6	1260	538	18700	1.25					93	167
	2.9	1100	472	19400	1.40						
	3.5	930	400	20000	1.65						
	3.8	830	361	20000	1.85	R RF	77 R37 77 R37	DT DT	71D4 71D4	48	167
	3.7	860	373	9520	0.95					53	167
	4.2	755	327	10500	1.10						
	4.8	670	289	11100	1.20						
	5.3	600	260	11600	1.35						
	6.2	510	224	12000	1.60						
	7.0	445	197	12300	1.85						
	8.2	390	169	12500	2.1						
	9.3	340	149	12700	2.4	R RF	67 R37 67 R37	DT DT	71D4 71D4	42	167
	4.7	665	294	4670	0.90					45	167
	5.3	600	261	7550	1.00						
	5.9	540	234	8220	1.10						
	6.9	460	200	8930	1.30	R RF	97 97	DT DT	90S8 90S8	115	157
	2.7	1330	255.71	27900	2.3					130	158
	2.8	1250	241.25	28000	2.4						
	3.1	1120	216.28	28100	2.7						
	3.6	970	186.30	28300	3.1	R RF	97 97	DT DT	80K6 80K6	105	157
	3.1	1140	289.74	28100	2.6					125	158
	3.5	1000	255.71	28200	3.0						
	3.7	950	241.25	28300	3.2						
	4.2	850	216.28	28400	3.5	R RF	87 87	DT DT	90S8 90S8	73	154
	3.1	1130	216.54	19300	1.40					80	155
	3.3	1070	205.71	19600	1.45						
	3.7	940	181.77	20000	1.65						
	3.6	970	246.54	20000	1.60	R RF	87 87	DT DT	80K6 80K6	66	154
	4.2	850	216.54	20000	1.80					73	155
	4.4	810	205.71	20000	1.90						
	5.0	715	181.77	20000	2.2						
	5.8	610	155.34	20000	2.5						
	6.3	560	142.41	20000	2.8	R RF	77 77	DT DT	90S8 90S8	47	151
	4.7	755	145.67	10500	1.10					53	152
	4.9	720	138.39	10800	1.15						
	5.6	630	121.42	11400	1.30						
	5.4	655	166.59	11200	1.25	R RF	77 77	DT DT	80K6 80K6	40	151
	6.2	570	145.67	11700	1.45					46	152
	6.5	545	138.39	11900	1.50						
	7.1	500	195.24*	12100	1.65	R RF	77 77	DT DT	71D4 71D4	38	151
	8.3	425	166.59	12400	1.90					44	152
	9.5	375	145.67	12600	2.2						
	10	355	138.39	12600	2.3						
	11	310	121.42	12800	2.6						
	13	265	102.99	12900	3.1						
	15	240	92.97	12900	3.5						
	5.7	620	158.14	7300	0.95	R RF	67 67	DT DT	80K6 80K6	34	148
	6.5	540	137.67	8210	1.10					37	149
	7.0	505	128.97	8530	1.20						
	7.9	445	113.94	9010	1.35						

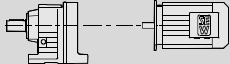


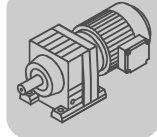
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.37	6.9	510	199.81	8480	1.15						
	7.5	470	184.07	8820	1.25						
	8.7	405	158.14	9310	1.50						
	10	355	137.67	9620	1.70						
	11	330	128.97	9740	1.80						
	12	290	113.94	9920	2.1						
	13	270	105.83	10000	2.2						
	14	245	95.91	10100	2.4						
	16	220	86.11	10200	2.7						
	19	190	74.17	10300	3.2						
	20	179	69.75	10300	3.4						
	23	157	61.26	10400	3.8						
	24	146	56.89	10400	4.1						
	7.0	505	128.77	6510	0.90						
	7.5	475	120.63	7000	0.95						
	8.4	420	106.58	7240	1.10						
	9.1	390	98.99	7350	1.15						
	7.4	480	186.89	6980	0.95						
	8.0	440	172.17	7140	1.00						
	9.3	380	147.92	7390	1.20						
	11	330	128.77	7550	1.35						
	11	310	120.63	7610	1.45						
	13	275	106.58	7700	1.65						
	14	255	98.99	7750	1.80						
	15	230	89.71	7800	1.95						
	17	205	80.55	7840	2.2						
	20	177	69.23	7890	2.5						
	21	166	64.85	7910	2.7						
	24	147	57.29	7760	3.1						
	26	136	53.22	7600	3.3						
	29	124	48.23	7380	3.6						
	9.9	360	139.99	3490	0.85						
	11	310	121.87	5350	0.95						
	12	290	114.17	5460	1.05						
	14	260	100.86	5630	1.15						
	15	240	93.68	5700	1.25						
	16	215	84.90	5790	1.40						
	18	195	76.23	5870	1.55						
	20	176	68.54	5930	1.70						
	21	164	64.21	5960	1.80						
	24	145	56.73	6010	2.1						
	26	135	52.69	5990	2.2						
	29	122	47.75	5820	2.5						
	32	110	42.87	5650	2.7						
	37	95	36.93	5410	3.2						
	40	89	34.73	5310	3.4						
	41	87	33.79	5270	2.8						
	44	80	31.12	5150	2.8						
	52	69	26.74	4920	4.4						
	59	60	23.28	4720	5.0						
	63	56	21.81	4620	5.4						
	15	230	90.77	4250	0.85						
	16	215	84.61	4720	0.90						
	19	189	73.96	5070	1.05						
	20	178	69.33	5210	1.15						
	23	157	61.18	5410	1.30						
	25	143	55.76	5530	1.40						
	29	123	48.08	5590	1.60						
	31	115	44.81	5480	1.75						
	35	100	39.17	5290	2.0						
	38	94	36.72	5190	2.1						
	43	83	32.40	5010	2.4						
	48	74	28.73	4850	2.7						
	57	63	24.42	4620	3.2						

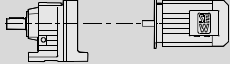


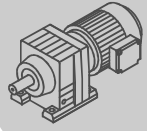
Helical Gearmotors

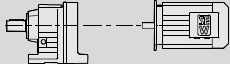
Selection tables [kW]

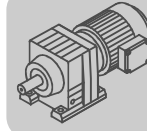
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.37	49	73	28.32	4830	2.8	R RF	37 37	DT DT	71D4 71D4	16 17	139 140
	53	67	26.03	4710	2.8						
	62	57	22.27	4500	3.5						
	71	49	19.31	4320	4.1						
	76	46	18.05	4230	4.3	R RF	37 37	DT DT	71D4 71D4	16 17	139 140
	88	40	15.60	4050	5.0						
	104	34	13.25	3850	5.6						
	117	30	11.83	3720	6.0						
	23	157	61.30	3870	0.85	R RF	27 27	DT DT	71D4 71D4	9.9 9.8	136 137
	25	143	55.87	3800	0.90						
	29	123	48.17	3680	1.05						
	31	115	44.90	3620	1.15						
	35	101	39.25	3510	1.30						
	38	94	36.79	3460	1.40						
	43	83	32.47	3350	1.55						
	48	74	28.78	3250	1.75						
	56	63	24.47	3110	2.1	R RF	27 27	DT DT	71D4 71D4	9.6 9.6	136 137
	49	73	28.37	3240	1.80						
	53	67	26.09	3170	1.95						
	62	57	22.32	3040	2.3						
	71	50	19.35	2920	2.6						
	76	46	18.08	2860	2.8						
	88	40	15.63	2750	3.3						
	104	34	13.28*	2620	3.8						
	36	99	38.61	770	0.85	R RF	17 17	DT DT	71D4 71D4	9.2 9.1	133 134
	38	93	36.20	1260	0.90						
	43	82	31.94	1910	1.05						
	49	73	28.32	1880	1.15						
	57	62	24.07	1830	1.40						
	55	65	25.23	1840	1.30	R RF	17 17	DT DT	71D4 71D4	8.9 8.8	133 134
	60	59	23.15	1820	1.45						
	70	51	19.71	1760	1.70						
	81	44	16.99	1710	1.95						
	87	41	15.84	1680	2.1						
	100	35	13.84	1630	2.4						
	106	33	12.98	1610	2.6						
	121	29	11.45	1560	2.8						
	136	26	10.15	1520	3.0						
	160	22	8.63	1460	3.3						
	183	19	7.55	1370	2.9						
	196	18	7.04	1350	3.1						
	224	16	6.15	1300	3.4						
	239	15	5.76	1280	3.6						
	271	13	5.09	1240	3.9						
	306	12	4.51	1200	4.2						
	360	9.8	3.83	1150	4.6						
	75	47	18.31	1000	1.05	R RF	07 07	DT DT	71D4 71D4	7.9 7.9	130 131
	83	43	16.73	990	1.15						
	98	36	14.12	960	1.40						
	114	31	12.06	940	1.60						
	123	29	11.18	930	1.75						
	143	25	9.67	900	2.0						
	153	23	9.01	890	2.2						
	176	20	7.85	870	2.4						
	185	19	7.48	860	2.3						
	202	18	6.83	840	2.5						
	239	15	5.76	810	2.7						
	280	13	4.92	780	2.9						
	302	12	4.57	765	3.1						
	350	10	3.95	735	3.4						
	375	9.4	3.68	720	3.5						
	430	8.2	3.21	695	3.8						

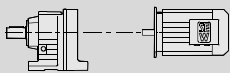


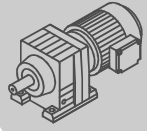
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B					m [kg]	
0.37	274	13	9.67	780	3.9	R RF	07 07	DR DR	63L2 63L2	7.0	130
	294	12	9.01	765	4.2					7.0	131
	337	11	7.85	740	4.7						
	354	10	7.48	730	4.3						
	388	9.1	6.83	715	4.7						
	460	7.7	5.76	680	5.2						
	538	6.6	4.92	650	5.6						
	580	6.1	4.57	640	5.9						
	671	5.3	3.95	610	6.4						
	720	4.9	3.68	600	6.7						
	826	4.3	3.21	575	7.2						
	174	20	5.18	4570	3.7	RX RXF	67 67	DT DT	80K6 80K6	21	120
	199	18	4.53	4380	4.6					25	121
	209	17	4.30*	4310	4.7						
	239	15	3.77	4130	5.9						
	227	16	6.07	4200	2.8	RX RXF	67 67	DT DT	71D4 71D4	19	120
	267	13	5.18	3990	5.6					23	121
	305	12	4.53	3820	7.1						
	321	11	4.30*	3760	7.3						
	366	9.7	3.77	3610	9.0						
	431	8.2	3.20*	3420	12						
	478	7.4	2.89	3310	14						
	543	6.5	2.54	3170	18						
	575	6.1	2.40*	3110	20						
	675	5.2	2.04	2950	26						
	207	17	4.35	3500	4.0	RX RXF	57 57	DT DT	80K6 80K6	18	118
	238	15	3.79	3350	4.6					20	119
	254	14	3.55*	3280	5.0						
	251	14	5.50*	3300	2.8	RX RXF	57 57	DT DT	71D4 71D4	16	118
	272	13	5.07	3210	2.8					18	119
	317	11	4.35	3060	6.1						
	364	9.7	3.79	2930	7.1						
	389	9.1	3.55*	2870	7.6						
	440	8.0	3.14	2760	8.1						
	474	7.5	2.91	2690	8.9						
	523	6.8	2.64*	2610	10						
	582	6.1	2.37	2520	11						
	676	5.2	2.04	2400	13						
	719	4.9	1.92*	2350	14						
	835	4.2	1.65	2240	16						
0.55	0.22	19800	6077	120000	0.90	R RF	167 R97 167 R97	DT DT	80K4 80K4	750	167
	0.25	17600	5407	120000	1.00					760	167
	0.29	15000	4650	120000	1.20						
	0.33	13100	4129	120000	1.35						
	0.28	16900	4926	22000	0.75	R RF	147 R77 147 R77	DT DT	80K4 80K4	425	167
	0.31	14700	4325	53900	0.90					430	167
	0.36	12900	3754	62900	1.00						
	0.41	11200	3302	65900	1.15						
	0.47	9830	2898	68000	1.30						
	0.53	8890	2555	69300	1.45						
	0.62	7700	2211	70600	1.70	R RF	147 R77 147 R77	DT DT	80K4 80K4	420	167
	0.70	6790	1951	71500	1.90					430	167
	0.80	5810	1705	72400	2.2						
	0.89	5210	1536	72800	2.5						
	1.0	4510	1329	73300	2.9						
	1.2	3920	1166	73600	3.3						
	0.55	8650	2484	51200	0.90					280	167
						R RF	137 R77 137 R77	DT DT	80K4 80K4	305	167

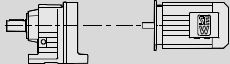


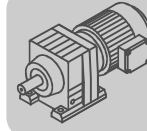
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.55	0.51	9250	2658	48400	0.85	R RF	137 R77 137 R77	DT DT	80K4 80K4	290	167
	0.56	8400	2412	52300	0.95					315	167
	0.66	7220	2073	55000	1.10						
	0.74	6320	1839	56500	1.25						
	0.85	5420	1598	57900	1.50						
	0.97	4840	1397	58600	1.65						
	1.1	4220	1226	59300	1.90						
	1.2	3780	1090	59700	2.1						
	1.4	3300	951	60100	2.4						
	1.6	2820	831	60500	2.8						
	0.97	4830	1407	21900	0.90	R RF	107 R77 107 R77	DT DT	80K4 80K4	200	167
	1.1	4150	1209	30200	1.05					205	167
	1.3	3620	1055	32700	1.20						
	1.5	3170	919	34400	1.35						
	1.7	2830	815	35500	1.50						
	1.9	2470	717	36200	1.75						
	2.2	2160	626	36600	2.0						
	0.97	4810	1400	22800	0.90	R RF	107 R77 107 R77	DT DT	80K4 80K4	205	167
	1.1	4180	1226	30100	1.05					210	167
	1.2	3740	1104	32200	1.15						
	1.4	3220	939	34200	1.35						
	1.7	2800	822	35600	1.55						
	1.7	2870	824	21800	1.05	R RF	97 R57 97 R57	DT DT	80K4 80K4	130	167
	1.8	2570	737	23700	1.15					150	167
	2.1	2200	632	25500	1.35						
	2.4	1920	560	26700	1.55						
	2.8	1670	484	27400	1.80						
	3.1	1510	431	27600	2.0						
	3.6	1320	379	27900	2.3						
	4.0	1180	336	28000	2.6						
	4.6	1030	296	28200	2.9						
	5.5	860	249	28300	3.5						
	2.6	1820	525	13600	0.85	R RF	87 R57 87 R57	DT DT	80K4 80K4	89	167
	3.0	1580	456	16700	1.00					97	167
	3.4	1370	398	18100	1.15						
	3.9	1210	352	18900	1.30						
	4.5	1040	305	19700	1.50						
	2.9	1690	472	15900	0.90	R RF	87 R57 87 R57	DT DT	80K4 80K4	88	167
	3.4	1420	400	17800	1.10					95	167
	3.8	1280	361	18600	1.20						
	4.9	990	276	4510	0.85	R RF	77 R37 77 R37	DT DT	80K4 80K4	49	167
	5.8	840	236	9730	1.00					54	167
	6.2	785	221	10200	1.05						
	7.3	660	186	11200	1.25						
	2.7	1980	255.71	26500	1.50	R RF	97 97	DT DT	90L8 90L8	115	157
	2.8	1860	241.25	26900	1.60					130	158
	3.1	1670	216.28	27400	1.80						
	3.1	1690	289.74	27400	1.75	R RF	97 97	DT DT	80N6 80N6	110	157
	3.5	1490	255.71	27700	2.0					125	158
	3.7	1410	241.25	27800	2.1						
	4.2	1260	216.28	28000	2.4						
	4.7	1120	289.74	28100	2.7	R RF	97 97	DT DT	80K4 80K4	105	157
	5.3	990	255.71	28200	3.0					125	158
	5.6	930	241.25	28300	3.2						
	6.3	840	216.28	28400	3.6						
	3.6	1440	246.54	17700	1.10	R RF	87 87	DT DT	80N6 80N6	68	154
	4.2	1260	216.54	18700	1.25					75	155
	4.4	1200	205.71	19000	1.30						
	5.0	1060	181.77	19600	1.45						
	5.8	910	155.34	20000	1.70						

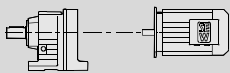


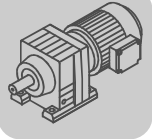
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.55	5.5	950	246.54	20000	1.65	R RF	87 87	DT DT	80K4 80K4	66	154
	6.3	840	216.54	20000	1.85					73	155
	6.6	795	205.71	20000	1.95						
	7.5	700	181.77	20000	2.2						
	8.8	600	155.34	20000	2.6						
	9.6	550	142.41	20000	2.8						
	11	485	124.97	20000	3.2						
	11	455	118.43*	20000	3.4						
	13	400	103.65	20000	3.9						
	8.2	645	166.59	11300	1.25	R RF	77 77	DT DT	80K4 80K4	40	151
	9.3	565	145.67	11800	1.45					46	152
	9.8	535	138.39	11900	1.55						
	11	470	121.42	12200	1.75						
	13	400	102.99	12500	2.1						
	15	360	92.97	12600	2.3						
	17	315	81.80	12800	2.6						
	18	300	77.24	12800	2.8						
	21	255	65.77	12900	3.2						
	8.6	610	158.14	7430	1.00	R RF	67 67	DT DT	80K4 80K4	34	148
	9.9	530	137.67	8290	1.15					37	149
	11	500	128.97	8600	1.20						
	12	440	113.94	9060	1.35						
	13	410	105.83	9280	1.45						
	14	370	95.91	9520	1.60						
	16	335	86.11	9730	1.80						
	18	285	74.17	9940	2.1						
	20	270	69.75	10000	2.2						
	22	235	61.26	10100	2.5						
	24	220	56.89	10200	2.7						
	11	465	120.63	7030	0.95	R RF	57 57	DT DT	80K4 80K4	27	145
	13	410	106.58	7260	1.10					31	146
	14	380	98.99	7370	1.20						
	15	345	89.71	7490	1.30						
	17	310	80.55	7600	1.45						
	20	265	69.23	7710	1.70						
	21	250	64.85	7750	1.80						
	24	220	57.29	7530	2.0						
	26	205	53.22	7390	2.2						
	28	186	48.23	7190	2.4						
	31	167	43.30	6980	2.7						
	36	144	37.30*	6700	3.1						
	39	136	35.07	6580	3.3						
	52	102	26.31	6060	4.4	R RF	57 57	DT DT	80K4 80K4	27	145
	54	97	24.99*	5970	4.7					30	146
	62	85	21.93	5740	5.3						
	73	72	18.60*	5460	6.3						
	15	360	93.68	3280	0.85	R RF	47 47	DT DT	80K4 80K4	22	142
	16	330	84.90	5230	0.90					22	143
	18	295	76.23	5450	1.00						
	20	265	68.54	5600	1.15						
	21	250	64.21	5670	1.20						
	24	220	56.73	5790	1.35						
	26	205	52.69	5770	1.45						
	28	184	47.75	5630	1.65						
	32	166	42.87	5470	1.80						
	37	143	36.93	5260	2.1						
	39	134	34.73	5180	2.2						
	46	115	29.88	4970	2.6						
	51	103	26.74	4820	2.9	R RF	47 47	DT DT	80K4 80K4	22	142
	58	90	23.28	4630	3.3					22	143
	62	84	21.81	4550	3.6						

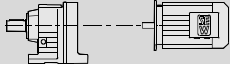


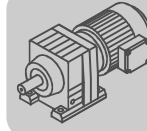
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.55	22	235	61.18	3910	0.85	R RF	37 37	DT DT	80K4 80K4	18 19	139 140
	24	215	55.76	4740	0.95						
	28	186	48.08	5120	1.10						
	30	173	44.81	5230	1.15						
	35	151	39.17	5070	1.30						
	37	142	36.72	4990	1.40						
	42	125	32.40	4840	1.60						
	47	111	28.73	4700	1.80						
	56	94	24.42	4500	2.1						
	61	86	22.27	4390	2.3	R RF	37 37	DT DT	80K4 80K4	18 19	139 140
	70	75	19.31	4220	2.7						
	75	70	18.05	4140	2.9						
	87	60	15.60	3970	3.3						
	103	51	13.25	3790	3.7						
	115	46	11.83	3670	4.0						
	35	152	39.25	3280	0.85	R RF	27 27	DT DT	80K4 80K4	12 12	136 137
	37	142	36.79	3240	0.90						
	42	125	32.47	3160	1.05						
	47	111	28.78	3080	1.15						
	56	95	24.47	2970	1.40						
	61	86	22.32	2910	1.50	R RF	27 27	DT DT	80K4 80K4	12 12	136 137
	70	75	19.35	2810	1.75						
	75	70	18.08	2760	1.85						
	87	60	15.63	2660	2.2						
	102	51	13.28*	2550	2.5						
	115	46	11.86	2470	2.8						
	134	39	10.13	2370	3.1						
	145	36	9.41	2290	3.4						
	167	32	8.16	2200	3.7						
	178	29	7.63*	2160	3.8						
	206	26	6.59	2070	4.2						
	243	22	5.60*	1980	4.6						
	272	19	5.00*	1910	4.9						
	318	17	4.27	1830	5.3						
	340	15	4.00*	1790	5.5						
	404	13	3.37	1700	6.1						
	50	105	53.76	235	0.80	R RF	17 17	DT DT	71D2 71D2	9.2 9.1	133 134
	57	92	47.44	1280	0.90						
	61	86	44.18	1610	1.00						
	70	75	38.61	1590	1.15						
	69	76	19.71	1590	1.10	R RF	17 17	DT DT	80K4 80K4	11 11	133 134
	80	66	16.99	1560	1.30						
	86	61	15.84	1550	1.40						
	98	54	13.84	1510	1.60						
	105	50	12.98	1500	1.70						
	119	44	11.45	1460	1.85						
	134	39	10.15	1430	1.95						
	158	33	8.63	1380	2.2						
	180	29	7.55	1290	1.90						
	193	27	7.04	1270	2.0						
	221	24	6.15	1240	2.3						
	236	22	5.76	1220	2.4						
	267	20	5.09	1190	2.6						
	302	17	4.51	1150	2.8						
	355	15	3.83	1110	3.0						
	313	17	8.63	1170	4.3	R RF	17 17	DT DT	71D2 71D2	8.9 8.8	133 134
	358	15	7.55	1100	3.8						
	384	14	7.04	1080	4.0						
	439	12	6.15	1050	4.5						

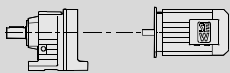


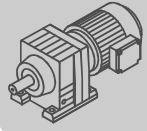
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B					m [kg]	
0.55	147	36	18.31	810	1.40	R RF	07 07	DT DT	71D2 71D2	7.9 7.9	130 131
	161	33	16.73	800	1.55						
	191	28	14.12	780	1.80						
	224	24	12.06	760	2.1						
	241	22	11.18	750	2.3						
	279	19	9.67	730	2.7						
	300	18	9.01	720	2.9						
	344	15	7.85	700	3.2						
	361	15	7.48	695	3.0						
	395	13	6.83	680	3.2						
	468	11	5.76	650	3.6						
	548	9.6	4.92	625	3.9						
	591	8.9	4.57	615	4.0						
	684	7.7	3.95	590	4.4						
	734	7.2	3.68	580	4.6						
	842	6.2	3.21	555	5.0						
	174	30	5.18	4510	2.5	RX RXF	67 67	DT DT	80N6 80N6	22 26	120 121
	199	26	4.53	4320	3.1						
	209	25	4.30*	4260	3.2						
	239	22	3.77	4090	4.0						
	263	20	5.18	3970	3.8	RX RXF	67 67	DT DT	80K4 80K4	21 25	120 121
	300	18	4.53	3800	4.7						
	316	17	4.30*	3740	4.8						
	360	15	3.77	3590	6.0						
	425	12	3.20*	3410	8.1						
	471	11	2.89	3300	9.5						
	535	9.8	2.54	3170	12						
	567	9.3	2.40*	3110	13						
	666	7.9	2.04	2950	17						
	732	7.2	1.86	2860	18						
	845	6.2	1.61	2730	18	RX RXF	57 57	DT DT	80N6 80N6	19 21	118 119
	207	25	4.35	3440	2.7						
	238	22	3.79	3300	3.1						
	254	21	3.55*	3230	3.3						
	287	18	3.14	3110	3.6						
	309	17	2.91	3040	3.9	RX RXF	57 57	DT DT	80K4 80K4	18 20	118 119
	312	17	4.35	3040	4.1						
	359	15	3.79	2910	4.7						
	383	14	3.55*	2850	5.0						
	434	12	3.14	2740	5.4						
	467	11	2.91	2680	6.0						
	515	10	2.64*	2600	6.8						
	574	9.2	2.37	2510	7.5						
	666	7.9	2.04	2390	8.7						
	708	7.4	1.92*	2350	9.3						
	823	6.4	1.65	2230	11						
	921	5.7	1.48	2150	12						
	1045	5.0	1.30	2070	13						
0.75	0.30	20700	4650	120000	0.85	R	167 R97	DT	80N4	750	167
	0.33	18200	4129	120000	1.00	RF	167 R97	DT	80N4	760	167
	0.52	12100	2657	120000	1.50	R RF	167 R97 167 R97	DT DT	80N4 80N4	750 760	167 167
	0.59	10500	2333	120000	1.70						
	0.66	9300	2085	120000	1.95						
	0.96	6550	1438	120000	2.8						
	0.42	15300	3302	46300	0.85	R	147 R77	DT	80N4	425	167
	0.48	13400	2898	61800	0.95	RF	147 R77	DT	80N4	435	167
	0.54	12100	2555	64400	1.10	R RF	147 R77 147 R77	DT DT	80N4 80N4	425 435	167 167
	0.62	10500	2211	67100	1.25						
	0.71	9230	1951	68800	1.40						
	0.81	7940	1705	70400	1.65						
	0.90	7130	1536	71200	1.80						
	1.0	6170	1329	72100	2.1						
	1.2	5380	1166	72700	2.4						

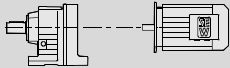


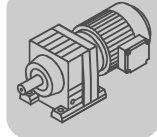
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.75	0.74	8730	1863	50900	0.90						
	0.87	7390	1586	54600	1.10	R	137 R77	DT	80N4	285	167
	0.99	6580	1391	56100	1.20	RF	137 R77	DT	80N4	305	167
	1.1	5920	1256	57100	1.35						
	0.67	9810	2073	37900	0.80						
	0.75	8610	1839	51400	0.95						
	0.86	7410	1598	54600	1.10						
	0.99	6590	1397	56100	1.20	R	137 R77	DT	80N4	295	167
	1.1	5750	1226	57400	1.40	RF	137 R77	DT	80N4	315	167
	1.3	5140	1090	58200	1.55						
	1.4	4490	951	59000	1.80						
	1.7	3860	831	59600	2.1						
	1.9	3360	730	60100	2.4						
	1.3	4940	1055	16400	0.85	R	107 R77	DT	80N4	200	167
	1.5	4310	919	29400	1.00	RF	107 R77	DT	80N4	205	167
	1.7	3840	815	31700	1.10						
	1.5	4400	939	28900	1.00						
	1.7	3830	822	31800	1.10	R	107 R77	DT	80N4	205	167
	3.7	1710	369	37100	2.5	RF	107 R77	DT	80N4	210	167
	4.3	1490	323	37200	2.9						
	2.2	2990	632	20100	1.00						
	2.5	2620	560	23400	1.15						
	2.9	2270	484	25200	1.30						
	3.2	2050	431	26200	1.45	R	97 R57	DT	80N4	135	167
	3.6	1800	379	27100	1.65	RF	97 R57	DT	80N4	150	167
	4.1	1600	336	27500	1.90						
	4.7	1400	296	27800	2.1						
	5.5	1170	249	28100	2.6						
	3.5	1870	398	9720	0.85						
	3.9	1650	352	16200	0.95	R	87 R57	DT	80N4	90	167
	4.5	1430	305	17700	1.10	RF	87 R57	DT	80N4	98	167
	5.2	1260	268	18700	1.25						
	5.9	1110	236	19400	1.40						
	3.8	1740	361	15500	0.90	R	87 R57	DT	80N4	89	167
	4.6	1440	300	17700	1.10	RF	87 R57	DT	80N4	96	167
	5.4	1220	256	18900	1.25						
	2.8	2610	251.15	36000	1.65	R	107	DV	100M8	180	159
	3.0	2390	229.95	36300	1.80	RF	107	DV	100M8	185	160
	3.4	2110	203.16	36700	2.0						
	3.2	2240	216.28	25300	1.35	R	97	DV	100M8	125	157
	3.7	1930	186.30	26600	1.55	RF	97	DV	100M8	140	158
	4.1	1760	170.02	27200	1.70						
	3.5	2030	255.71	26200	1.45	R	97	DT	90S6	115	157
	3.7	1920	241.25	26700	1.55	RF	97	DT	90S6	130	158
	4.2	1720	216.28	27300	1.75						
	4.8	1500	289.74	27600	2.0						
	5.4	1330	255.71	27900	2.3						
	5.7	1250	241.25	28000	2.4	R	97	DT	80N4	110	157
	6.4	1120	216.28	28100	2.7	RF	97	DT	80N4	125	158
	7.4	970	186.30	28300	3.1						
	8.1	880	170.02	28300	3.4						
	4.2	1720	216.54	15600	0.90	R	87	DT	90S6	73	154
	4.4	1640	205.71	16300	0.95	RF	87	DT	90S6	80	155
	5.0	1450	181.77	17600	1.05						
	5.8	1240	155.34	18800	1.25	R	87	DT	90S6	73	154
	6.3	1130	142.41	19300	1.35	RF	87	DT	90S6	80	155

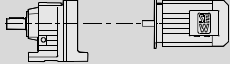


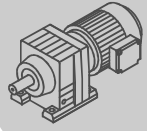
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.75	5.6	1280	246.54	18600	1.20	R RF	87 87	DT DT	80N4 80N4	68	154
	6.4	1120	216.54	19300	1.40					75	155
	6.7	1070	205.71	19600	1.45						
	7.6	940	181.77	20000	1.65						
	8.9	810	155.34	20000	1.90						
	9.7	740	142.41	20000	2.1						
	11	650	124.97	20000	2.4						
	12	615	118.43*	20000	2.5						
	13	540	103.65	20000	2.9						
	15	485	93.38	20000	3.2						
	8.3	860	166.59	9490	0.95	R RF	77 77	DT DT	80N4 80N4	42	151
	9.5	755	145.67	10500	1.10					48	152
	10	720	138.39	10800	1.15						
	11	630	121.42	11400	1.30	R RF	77 77	DT DT	80N4 80N4	42	151
	13	535	102.99	11900	1.55					48	152
	15	485	92.97	12200	1.70						
	17	425	81.80	12400	1.95						
	18	400	77.24	12500	2.1						
	21	340	65.77	12700	2.4						
	24	300	57.68	12800	2.7						
	27	270	52.07	12900	3.0						
	30	240	45.81	12900	3.5						
	32	225	43.26	13000	3.7						
	11	670	128.97	4040	0.90	R RF	67 67	DT DT	80N4 80N4	35	148
	12	590	113.94	7660	1.00					38	149
	13	550	105.83	8120	1.10						
	14	500	95.91	8600	1.20						
	16	445	86.11	9010	1.35						
	19	385	74.17	9430	1.55						
	20	360	69.75	9570	1.65						
	23	320	61.26	9800	1.90						
	24	295	56.89	9910	2.0						
	27	270	51.56	10000	2.2						
	30	240	46.29	10100	2.5						
	13	555	106.58	4610	0.80	R RF	57 57	DT DT	80N4 80N4	28	145
	14	515	98.99	6200	0.90					32	146
	15	465	89.71	7040	0.95						
	17	420	80.55	7240	1.10						
	20	360	69.23	7450	1.25						
	21	335	64.85	7430	1.35						
	24	295	57.29	7220	1.50						
	26	275	53.22	7090	1.65	R RF	57 57	DT DT	80N4 80N4	28	145
	29	250	48.23	6930	1.80					32	146
	32	225	43.30	6740	2.0						
	37	194	37.30*	6490	2.3						
	39	182	35.07	6380	2.5						
	46	157	30.18	6130	2.9						
	51	140	26.97	5940	3.2						
	52	137	26.31	5900	3.3	R RF	57 57	DT DT	80N4 80N4	28	145
	55	130	24.99*	5820	3.5					31	146
	63	114	21.93	5610	4.0						
	74	97	18.60*	5350	4.7						
	20	355	68.54	3660	0.85	R RF	47 47	DT DT	80N4 80N4	23	142
	21	335	64.21	4950	0.90					23	143
	24	295	56.73	5450	1.00						
	26	275	52.69	5480	1.10	R RF	47 47	DT DT	80N4 80N4	23	142
	29	250	47.75	5370	1.20					23	143
	32	225	42.87	5240	1.35						
	37	192	36.93	5060	1.55						
	40	180	34.73	4980	1.65						
	46	155	29.88	4800	1.95						
	52	139	26.70	4660	2.2						
	58	122	23.59	4510	2.5	R RF	47 47	DT DT	80N4 80N4	23	142
	52	139	26.74	4660	2.2					23	143
	59	121	23.28	4490	2.5						
	63	113	21.81	4420	2.7						
	72	100	19.27	4270	3.0						
	77	93	17.89	4180	3.1						
	85	84	16.22	4070	3.3						

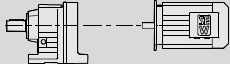


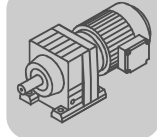
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
0.75	29	250	48.08	2330	0.80	R RF	37 37	DT DT	80N4 80N4	19	139
	31	235	44.81	4230	0.85					20	140
	35	205	39.17	4720	1.00						
	38	191	36.72	4740	1.05	R RF	37 37	DT DT	80N4 80N4	19	139
	43	168	32.40	4610	1.20					20	140
	48	149	28.73	4490	1.35						
	57	127	24.42	4320	1.60	R RF	37 37	DT DT	80N4 80N4	19	139
	62	116	22.27	4230	1.75					20	140
	71	100	19.31	4080	2.0						
	76	94	18.05	4010	2.1						
	88	81	15.60	3850	2.5						
	104	69	13.25	3690	2.8						
	117	61	11.83	3570	3.0						
	137	53	10.11	3420	3.2						
	146	49	9.47	3360	3.4						
	48	149	28.78	2880	0.85	R RF	27 27	DT DT	80N4 80N4	13	136
	56	127	24.47	2800	1.00					13	137
	62	116	22.32	2750	1.10						
	71	100	19.35	2670	1.30	R RF	27 27	DT DT	80N4 80N4	13	136
	76	94	18.08	2630	1.40					13	137
	88	81	15.63	2550	1.60						
	104	69	13.28*	2450	1.90						
	116	62	11.86	2380	2.1						
	136	53	10.13	2290	2.3						
	147	49	9.41	2210	2.5						
	169	42	8.16	2130	2.7						
	181	40	7.63*	2090	2.8						
	209	34	6.59	2010	3.1						
	246	29	5.60*	1930	3.4						
	276	26	5.00*	1870	3.7						
	70	102	19.71	465	0.85	R RF	17 17	DT DT	80N4 80N4	12	133
	81	88	16.99	1390	0.95					12	134
	87	82	15.84	1380	1.05						
	100	72	13.84	1370	1.20						
	106	67	12.98	1360	1.25						
	121	59	11.45	1350	1.35						
	136	53	10.15	1320	1.45						
	160	45	8.63	1290	1.60						
	183	39	7.55	1200	1.45						
	196	37	7.04	1180	1.50						
	224	32	6.15	1160	1.70						
	239	30	5.76	1150	1.75						
	271	26	5.09	1120	1.95						
	306	23	4.51	1090	2.1						
	360	20	3.83	1060	2.3						
	236	30	11.45	1200	2.7	R RF	17 17	DT DT	80K2 80K2	11	133
	266	27	10.15	1170	2.9					11	134
	313	23	8.63	1130	3.1						
	358	20	7.55	1060	2.8						
	384	19	7.04	1040	2.9						
	439	16	6.15	1010	3.3						
	468	15	5.76	990	3.5						
	531	14	5.09	960	3.8						
	599	12	4.51	930	4.0	RX RXF	67 67	DT DT	90S6 90S6	27	120
	704	10	3.83	890	4.4					31	121
	199	36	4.53	4260	2.3						
	209	34	4.30*	4200	2.3						
	239	30	3.77	4040	2.9						
	281	26	3.20*	3840	3.9						

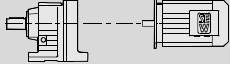


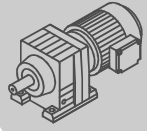
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B					m [kg]	
0.75	267	27	5.18	3900	2.8	RX RXF	67 67	DT DT	80N4 80N4	22 26	120 121
	305	24	4.53	3750	3.5						
	321	22	4.30*	3690	3.6						
	366	20	3.77	3540	4.4						
	431	17	3.20*	3360	6.0						
	478	15	2.89	3260	7.1						
	543	13	2.54	3130	8.9						
	575	13	2.40*	3070	9.8						
	675	11	2.04	2920	13						
	743	9.6	1.86	2830	13						
	858	8.3	1.61	2700	14						
	238	30	3.79	3240	2.3	RX RXF	57 57	DT DT	90S6 90S6	24 26	118 119
	254	28	3.55*	3180	2.4						
	287	25	3.14	3060	2.6						
	309	23	2.91	3000	2.9						
	341	21	2.64*	2910	3.3						
	317	23	4.35	2980	3.0	RX RXF	57 57	DT DT	80N4 80N4	19 21	118 119
	364	20	3.79	2860	3.5						
	389	18	3.55*	2800	3.8						
	440	16	3.14	2700	4.0						
	474	15	2.91	2630	4.4						
	523	14	2.64*	2560	5.0						
	582	12	2.37	2470	5.6						
	676	11	2.04	2360	6.5						
	719	10	1.92*	2310	6.9						
	835	8.6	1.65	2210	8.0						
1.1	935	7.7	1.48	2130	8.8	R RF	167 R97 167 R97	DT DT	90S4 90S4	760 760	167 167
	1060	6.8	1.30	2050	9.3						
	0.53	17900	2657	120000	1.00						
	0.60	15600	2333	120000	1.15						
	0.67	13800	2085	120000	1.30						
	0.75	12300	1877	120000	1.45						
	0.84	11000	1670	120000	1.65						
	0.97	9680	1438	120000	1.85						
	1.1	8620	1279	120000	2.1						
	1.2	7510	1123	120000	2.4						
	0.63	15300	2211	46800	0.85	R RF	147 R77 147 R77	DT DT	90S4 90S4	430 440	167 167
	0.72	13500	1951	61700	0.95						
	0.82	11700	1705	65200	1.10						
	0.91	10500	1536	67100	1.25						
	1.1	9060	1329	69000	1.45						
	1.2	7920	1166	70400	1.65						
	1.4	6960	1029	71400	1.85						
	1.6	6030	889	72200	2.2						
	1.8	5300	784	72700	2.5						
	2.0	4680	695	73200	2.8						
	1.0	9610	1391	41900	0.85	R RF	137 R77 137 R77	DT DT	90S4 90S4	290 310	167 167
	1.1	8660	1256	51200	0.90						
	1.3	7590	1105	54200	1.05						
	1.3	7160	1043	55100	1.10						
	1.6	6070	888	56900	1.30						
	1.0	9630	1397	41500	0.85	R RF	137 R77 137 R77	DT DT	90S4 90S4	300 320	167 167
	1.1	8420	1226	52200	0.95						
	1.3	7510	1090	54400	1.05						
	1.5	6560	951	56100	1.20						
	1.7	5670	831	57500	1.40						
	1.9	4950	730	58500	1.60						
	2.2	4230	629	59300	1.90						
	2.5	3830	560	59700	2.1						
	2.9	3300	490	60100	2.4						
	1.9	4930	717	17300	0.85						
	1.9	4930	717	17300	0.85	R RF	107 R77 107 R77	DT DT	90S4 90S4	205 210	167 167

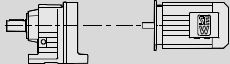


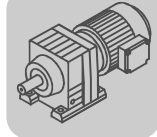
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
1.1	2.3	4150	614	30200	1.05	R RF	107 R77 107 R77	DT DT	90S4 90S4	210	167
	2.6	3670	544	32500	1.15					215	167
	2.8	3310	492	33900	1.30						
	3.4	2810	417	35500	1.55						
	3.8	2510	369	36200	1.70						
	4.3	2200	323	36600	1.95						
	4.9	1930	285	36800	2.2						
	5.5	1700	253	37100	2.5						
	3.2	2990	431	20300	1.00	R RF	97 R57 97 R57	DT DT	90S4 90S4	140	167
	3.7	2620	379	23400	1.15					155	167
	4.2	2330	336	24900	1.30						
	4.7	2050	296	26200	1.45						
	5.6	1710	249	27300	1.75						
	6.0	1590	234	27500	1.90						
	6.7	1430	209	27700	2.1						
	5.2	1840	268	11700	0.85	R RF	87 R57 87 R57	DT DT	90S4 90S4	95	167
	5.9	1630	236	16400	0.95					105	167
	6.7	1430	209	17700	1.10						
	5.5	1780	256	15100	0.85	R RF	87 R57 87 R57	DT DT	90S4 90S4	94	167
	6.0	1610	232	16500	0.95					100	167
	7.2	1370	195	18100	1.15						
	2.7	3940	251.15	31300	1.10	R RF	107 107	DV DV	100L8 100L8	185	159
	2.9	3610	229.95	32700	1.20					190	160
	3.3	3190	203.16	34300	1.35						
	3.9	2700	172.34	35800	1.60						
	3.6	2920	255.71	21500	1.05	R RF	97 97	DT DT	90L6 90L6	115	157
	3.8	2750	241.25	22600	1.10					130	158
	4.2	2470	216.28	24200	1.20						
	4.9	2130	186.30	25900	1.40						
	5.5	1920	255.71	26700	1.55	R RF	97 97	DT DT	90S4 90S4	115	157
	5.8	1810	241.25	27100	1.65					130	158
	6.5	1620	216.28	27500	1.85						
	7.5	1400	186.30	27800	2.2						
	8.2	1280	170.02	27900	2.4						
	9.3	1130	150.78	28100	2.7						
	11	950	126.75	28300	3.2						
	12	870	116.48	28300	3.4						
	6.5	1620	216.54	16400	0.95	R RF	87 87	DT DT	90S4 90S4	73	154
	6.8	1540	205.71	17000	1.00					80	155
	7.7	1360	181.77	18100	1.15						
	9.0	1170	155.34	19100	1.35	R RF	87 87	DT DT	90S4 90S4	73	154
	9.8	1070	142.41	19600	1.45					80	155
	11	940	124.97	20000	1.65						
	12	890	118.43*	20000	1.75						
	14	780	103.65	20000	2.0						
	15	700	93.38	20000	2.2						
	17	615	81.92	20000	2.5						
	19	545	72.57	20000	2.9						
	22	480	63.68*	20000	3.2						
	23	455	60.35*	20000	3.4						
	27	395	52.82	20000	3.9						
	12	910	121.42	8990	0.90	R RF	77 77	DT DT	90S4 90S4	47	151
	14	775	102.99	10300	1.05					53	152
	15	700	92.97	10900	1.20						
	17	615	81.80	11500	1.35	R RF	77 77	DT DT	90S4 90S4	47	151
	18	580	77.24	11700	1.40					53	152
	21	495	65.77	12100	1.65						
	24	435	57.68	12400	1.90						
	27	390	52.07	12500	2.1						
	31	345	45.81	12700	2.4						
	32	325	43.26	12700	2.5						
	38	275	36.83	12900	3.0						
	42	250	33.47	12900	3.3						

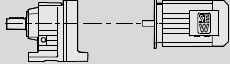


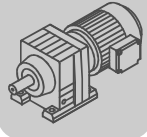
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
1.1	16	645	86.11	6820	0.95	R RF	67 67	DT DT	90S4 90S4	40	148
	19	555	74.17	8040	1.10					43	149
	20	525	69.75	8370	1.15						
	23	460	61.26	8920	1.30						
	25	425	56.89	9160	1.40						
	27	385	51.56	9420	1.55						
	30	345	46.29	9650	1.75						
	35	300	39.88*	9890	1.95						
	37	280	37.50	9970	2.0						
	43	240	32.27	10100	2.2						
	49	215	28.83	10200	2.4						
	50	210	28.13	10200	2.6	R RF	67 67	DT DT	90S4 90S4	39	148
	52	200	26.72	10100	2.7					42	149
	60	176	23.44	9730	3.2						
	70	149	19.89	9270	4.0						
	20	520	69.23	5990	0.85	R RF	57 57	DT DT	90S4 90S4	34	145
	22	485	64.85	6850	0.90					37	146
	24	430	57.29	6700	1.05						
	26	400	53.22	6610	1.15	R RF	57 57	DT DT	90S4 90S4	34	145
	29	360	48.23	6490	1.25					37	146
	32	325	43.30	6350	1.40						
	38	280	37.30*	6140	1.60						
	40	265	35.07	6060	1.70						
	46	225	30.18	5850	2.0						
	52	200	26.97	5690	2.2						
	53	197	26.31	5650	2.3	R RF	57 57	DT DT	90S4 90S4	33	145
	56	188	24.99*	5580	2.4					36	146
	64	165	21.93	5400	2.7						
	75	140	18.60*	5170	3.2						
	83	126	16.79	5030	3.6	R RF	47 47	DT DT	90S4 90S4	28	142
	29	360	47.75	3500	0.85					28	143
	33	320	42.87	4850	0.95						
	38	275	36.93	4720	1.10						
	40	260	34.73	4660	1.15						
	47	225	29.88	4520	1.35						
	52	200	26.70	4410	1.50						
	59	177	23.59	4290	1.70	R RF	47 47	DT DT	90S4 90S4	28	142
	60	175	23.28	4270	1.70					28	143
	64	164	21.81	4210	1.85						
	73	145	19.27	4080	2.0						
	78	134	17.89	4010	2.2						
	86	122	16.22	3910	2.3						
	96	109	14.56	3800	2.4						
	112	94	12.54	3650	2.7						
	119	89	11.79	3590	2.8						
	138	76	10.15	3450	3.0						
	154	68	9.07	3340	3.2	R RF	37 37	DT DT	90S4 90S4	24	139
	43	245	32.40	2900	0.80					26	140
	49	215	28.73	3300	0.95						
	57	183	24.42	3720	1.10	R RF	37 37	DT DT	90S4 90S4	24	139
	73	145	19.31	3840	1.40					25	140
	78	135	18.05	3790	1.50						
	90	117	15.60	3660	1.70	R RF	37 37	DT DT	90S4 90S4	24	139
	106	99	13.25	3520	1.90					25	140
	118	89	11.83	3430	2.1						
	139	76	10.11	3290	2.2						
	148	71	9.47	3230	2.4						
	176	60	7.97	3090	2.6						
	210	50	6.67	2920	2.9						
	247	43	5.67	2790	3.3						
	277	38	5.06	2700	3.6						

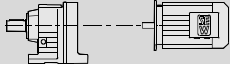


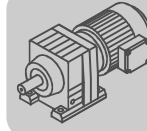
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
1.1	72	145	19.35	2430	0.90	R RF	27 27	DT DT	90S4 90S4	18 18	136 137
	77	136	18.08	2410	0.95						
	90	117	15.63	2360	1.10						
	105	100	13.28*	2290	1.30						
	118	89	11.86	2240	1.45						
	138	76	10.13	2160	1.60						
	172	61	8.16	2010	1.90						
	184	57	7.63*	1980	1.95						
	212	50	6.59	1920	2.1						
	250	42	5.60*	1840	2.4						
	280	38	5.00*	1790	2.5						
	328	32	4.27	1720	2.7						
	350	30	4.00*	1690	2.8						
	415	25	3.37	1610	3.1						
	203	52	13.28*	1980	2.5	R RF	27 27	DT DT	80N2 80N2	13 13	136 137
	228	46	11.86	1920	2.8						
	267	39	10.13	1840	3.1						
	287	37	9.41	1780	3.3						
	331	32	8.16	1720	3.7						
	354	30	7.63*	1690	3.8						
	410	26	6.59	1620	4.1						
	482	22	5.60*	1550	4.5						
	540	20	5.00*	1500	4.9						
	632	17	4.27	1430	5.2						
	675	16	4.00*	1410	5.5						
	801	13	3.37	1340	6.0						
	137	77	19.71	1150	1.10	R RF	17 17	DT DT	80N2 80N2	12 12	133 134
	159	66	16.99	1140	1.30						
	170	62	15.84	1140	1.40						
	195	54	13.84	1120	1.60						
	208	51	12.98	1120	1.70						
	236	45	11.45	1100	1.80						
	266	40	10.15	1080	1.95						
	313	34	8.63	1050	2.1						
	358	29	7.55	970	1.90						
	384	27	7.04	960	2.0						
	439	24	6.15	940	2.3						
	468	22	5.76	930	2.4						
	531	20	5.09	910	2.6						
	599	18	4.51	880	2.7						
	704	15	3.83	850	3.0						
	249	42	5.63	5680	2.6	RX RXF	77 77	DT DT	90S4 90S4	37 40	122 123
	262	40	5.35*	5590	2.6						
	296	36	4.73	5380	3.5						
	203	52	4.53	4130	1.60	RX RXF	67 67	DT DT	90L6 90L6	29 33	120 121
	214	49	4.30*	4070	1.65						
	244	43	3.77	3920	2.0						
	309	34	4.53	3660	2.4	RX RXF	67 67	DT DT	90S4 90S4	27 31	120 121
	326	32	4.30*	3610	2.5						
	371	28	3.77	3470	3.1						
	438	24	3.20*	3300	4.2						
	485	22	2.89	3200	4.9						
	551	19	2.54	3070	6.2						
	583	18	2.40*	3020	6.8						
	685	15	2.04	2870	8.8						
	754	14	1.86	2780	9.1						
	870	12	1.61	2660	9.4						
	1000	11	1.40*	2550	9.9						
	243	43	3.79	3120	1.60	RX RXF	57 57	DT DT	90L6 90L6	26 28	118 119
	259	41	3.55*	3060	1.70						
	293	36	3.14	2960	1.80						
	316	33	2.91	2900	2.0						
	348	30	2.64*	2820	2.3						

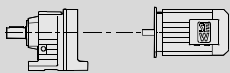


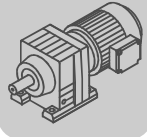
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
1.1	369	28	3.79	2780	2.4	RX	57	DT	90S4	24	118
	394	27	3.55*	2730	2.6						
	446	24	3.14	2630	2.8						
	481	22	2.91	2570	3.1						
	530	20	2.64*	2500	3.5						
	591	18	2.37	2420	3.9						
	686	15	2.04	2310	4.5						
	729	14	1.92*	2270	4.8						
	847	12	1.65	2160	5.6						
	948	11	1.48	2090	6.1						
	1075	9.8	1.30	2010	6.4						
1.5	0.60	21400	2333	120000	0.85	R	167 R97	DT	90L4	760	167
	0.68	19000	2085	120000	0.95						
	0.75	17000	1877	120000	1.05						
	0.84	15100	1670	120000	1.20						
	0.98	13300	1438	120000	1.35						
	1.1	11800	1279	120000	1.50						
	1.3	10300	1123	120000	1.75						
	1.4	9180	999	120000	1.95						
	3.3	3920	426	73600	3.3						
	3.8	3380	368	73800	3.8						
	0.83	15900	1705	37900	0.80						
	0.92	14300	1536	58600	0.90						
	1.1	12400	1329	63900	1.05						
	1.2	10800	1166	66500	1.20						
	1.4	9530	1029	68400	1.35						
	1.6	8250	889	70000	1.60						
	1.8	7260	784	71100	1.80						
	2.0	6420	695	71900	2.0						
	2.3	5780	619	72400	2.3						
	2.5	5200	558	72800	2.5						
	1.4	9770	1043	38800	0.80						
	1.6	8290	888	52700	0.95						
	2.0	6500	699	56200	1.25						
	2.3	5640	609	57600	1.40						
	1.3	10200	1090	26100	0.80						
	1.5	8940	951	49900	0.90						
	1.7	7750	831	53900	1.05						
	1.9	6770	730	55800	1.20						
	2.2	5800	629	57300	1.40						
	2.5	5230	560	58100	1.55						
	2.9	4530	490	59000	1.75						
	3.3	3950	428	59600	2.0						
	3.7	3560	381	59900	2.3						
	4.4	3020	323	60300	2.7						
	2.7	4900	528	18500	0.90						
	2.6	5030	544	10400	0.85						
	2.9	4550	492	28100	0.95						
	3.4	3850	417	31700	1.10						
	3.8	3440	369	33400	1.25						
	4.4	3000	323	34900	1.45						
	3.0	4470	469	28500	0.95						
	4.2	3170	336	11300	0.95						
	4.8	2790	296	22400	1.10						
	5.7	2330	249	24900	1.30						
	6.0	2180	234	25600	1.40						
	6.8	1950	209	26600	1.55						
	3.0	4710	229.95	26500	0.90						
	3.5	4160	203.16	30200	1.05						
	4.1	3530	172.34	33100	1.20						
	4.4	3250	158.68	34100	1.30						



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
1.5	3.7	3910	251.15	31400	1.10	R RF	107 107	DV DV	100M6 100M6	180	159
	4.0	3580	229.95	32900	1.20					185	160
	4.5	3160	203.16	34400	1.35						
	5.3	2680	172.34	35900	1.60						
	5.8	2470	158.68	36200	1.75						
	6.5	2210	141.83	36500	1.95	R RF	97 97	DT DT	90L4 90L4	115	157
	5.5	2600	255.71	23500	1.15					130	158
	5.8	2450	241.25	24300	1.20						
	6.5	2200	216.28	25600	1.35						
	7.6	1890	186.30	26800	1.60						
	8.3	1730	170.02	27300	1.75	R RF	87 87	DT DT	90L4 90L4	74	154
	9.3	1530	150.78	27600	1.95					81	155
	11	1290	126.75	27900	2.3						
	12	1180	116.48	28000	2.5						
	14	1050	103.44	28200	2.9						
	15	940	92.48	28300	3.2	R RF	87 87	DT DT	90L4 90L4	74	154
	7.8	1850	181.77	11400	0.85					81	155
	9.1	1580	155.34	16700	1.00						
	9.9	1450	142.41	17600	1.05						
	11	1270	124.97	18600	1.20						
	12	1200	118.43*	19000	1.30	R RF	77 77	DT DT	90L4 90L4	48	151
	14	1050	103.65	19600	1.45					54	152
	15	950	93.38	20000	1.65						
	17	830	81.92	20000	1.85						
	19	735	72.57	20000	2.1						
	22	645	63.68*	20000	2.4	R RF	77 77	DT DT	90L4 90L4	48	151
	23	615	60.35*	20000	2.5					54	152
	27	535	52.82	20000	2.9						
	30	485	47.58	20000	3.2						
	34	425	41.74	20000	3.7						
	38	375	36.84*	19600	4.1	R RF	77 77	DT DT	90L4 90L4	47	151
	15	940	92.97	8500	0.85					53	152
	17	830	81.80	9820	1.00						
	18	785	77.24	10200	1.05						
	21	670	65.77	11100	1.25						
	24	585	57.68	11600	1.40	R RF	67 67	DT DT	90L4 90L4	42	148
	27	530	52.07	11900	1.55					45	149
	31	465	45.81	12200	1.75						
	33	440	43.26	12300	1.85						
	38	375	36.83	12600	2.2						
	42	340	33.47	12700	2.4	R RF	67 67	DT DT	90L4 90L4	41	148
	49	295	29.00	12500	2.8					44	149
	56	255	25.23	12000	3.0						
	60	240	23.37	11800	3.5						
	66	220	21.43	11500	3.8						
	75	191	18.80	11000	4.1	R RF	57 57	DT DT	90L4 90L4	36	145
	23	620	61.26	7280	0.95					39	146
	25	580	56.89	7810	1.05						
	27	525	51.56	8370	1.15						
	30	470	46.29	8830	1.30						
	35	405	39.88*	9300	1.45	R RF	57 57	DT DT	90L4 90L4	36	145
	38	380	37.50	9460	1.50					39	146
	44	330	32.27	9750	1.65						
	49	295	28.83	9920	1.80						
	50	285	28.13	9950	1.90						
	53	270	26.72	9850	2.0	R RF	57 57	DT DT	90L4 90L4	36	145
	60	240	23.44	9500	2.4					39	146
	71	200	19.89	9070	3.0						
	79	182	17.95	8810	3.2						
	27	540	53.22	5140	0.85						
	29	490	48.23	6010	0.90	R RF	57 57	DT DT	90L4 90L4	36	145
	33	440	43.30	5920	1.00					39	146
	38	380	37.30*	5770	1.20						
	40	355	35.07	5710	1.25						
	47	305	30.18	5540	1.45						
	52	275	26.97	5420	1.65	R RF	57 57	DT DT	90L4 90L4	36	145
										39	146

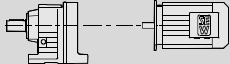


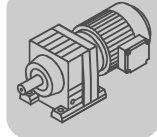
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
1.5	54	265	26.31	5390	1.70	R RF	57 57	DT DT	90L4 90L4	35	145
	56	255	24.99*	5330	1.75					38	146
	64	225	21.93	5170	2.0						
	76	189	18.60*	4980	2.4						
	84	171	16.79	4850	2.6						
	95	150	14.77*	4700	2.9						
	101	142	13.95*	4630	3.0						
	119	121	11.88	4440	3.4						
	38	375	36.93	2380	0.80	R RF	47 47	DT DT	90L4 90L4	30	142
	41	355	34.73	3840	0.85					30	143
	47	305	29.88	4220	1.00						
	53	270	26.70	4140	1.10						
	60	240	23.59	4050	1.25						
	61	235	23.28	4040	1.25	R RF	47 47	DT DT	90L4 90L4	30	142
	65	220	21.81	3990	1.35					30	143
	73	196	19.27	3890	1.50						
	79	182	17.89	3830	1.60						
	87	165	16.22	3740	1.65						
	97	148	14.56	3650	1.80						
	112	127	12.54	3520	1.95						
	120	120	11.79	3470	2.1						
	139	103	10.15	3340	2.2						
	155	92	9.07	3240	2.4						
	176	81	8.01	3140	2.5						
	182	79	7.76*	3060	2.1						
	203	71	6.96	2980	2.3						
	235	61	6.00	2860	2.6						
	250	57	5.64*	2810	2.7						
	291	49	4.85	2700	3.0						
	325	44	4.34	2610	3.3						
	368	39	3.83	2520	3.7						
	73	196	19.31	2660	1.00	R RF	37 37	DT DT	90L4 90L4	25	139
	78	183	18.05	2840	1.10					27	140
	90	159	15.60	3160	1.25						
	106	135	13.25	3350	1.40	R RF	37 37	DT DT	90L4 90L4	25	139
	119	120	11.83	3270	1.50					27	140
	140	103	10.11	3160	1.65						
	149	96	9.47	3110	1.75						
	177	81	7.97	2980	1.95						
	211	68	6.67	2820	2.1						
	249	58	5.67	2710	2.5						
	279	51	5.06	2630	2.6						
	326	44	4.32	2520	2.9						
	348	41	4.05	2470	3.0						
	414	35	3.41	2360	3.2						
	211	68	13.25	2850	2.8	R RF	37 37	DT DT	90S2 90S2	24	139
	237	61	11.83	2770	3.0					25	140
	277	52	10.11	2650	3.3						
	296	48	9.47	2610	3.5						
	351	41	7.97	2480	3.8	R RF	27 27	DT DT	90L4 90L4	19	136
	90	159	15.63	1700	0.80					19	137
	106	135	13.28*	2020	0.95						
	119	121	11.86	2080	1.05						
	139	103	10.13	2030	1.20						
	173	83	8.16	1880	1.40						
	185	78	7.63*	1860	1.45						
	214	67	6.59	1810	1.60						
	252	57	5.60*	1750	1.75						
	282	51	5.00*	1710	1.85						
	330	43	4.27	1650	2.0						
	353	41	4.00*	1630	2.1						
	418	34	3.37	1560	2.3						

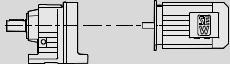


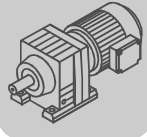
Helical Gearmotors

Selection tables [kW]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
1.5	236	61	11.86	1820	2.1	R	27	DT	90S2	18	136
	276	52	10.13	1760	2.4						
	343	42	8.16	1640	2.8						
	367	39	7.63*	1610	2.9						
	425	34	6.59	1550	3.2						
	500	29	5.60*	1490	3.5						
	560	26	5.00*	1450	3.7						
	656	22	4.27	1390	4.0						
	700	21	4.00*	1360	4.2						
	831	17	3.37	1300	4.6						
	250	57	5.63	5580	1.90	RX	77	DT	90L4	38	122
	264	54	5.35*	5490	1.90						
	298	48	4.73	5300	2.6						
	349	41	4.04*	5050	3.5						
	381	38	3.70	4920	4.1						
	434	33	3.25*	4720	5.5						
	458	31	3.08*	4650	6.2						
	523	27	2.70	4460	7.9						
	581	25	2.43	4310	8.7						
	312	46	4.53	3570	1.80	RX	67	DT	90L4	29	120
	328	44	4.30*	3520	1.85						
	374	38	3.77	3390	2.3						
	441	33	3.20*	3230	3.1						
	488	29	2.89	3140	3.6						
	555	26	2.54	3020	4.6						
	588	24	2.40*	2970	5.0						
	690	21	2.04	2820	6.4						
	759	19	1.86	2740	6.7						
	876	16	1.61	2620	7.0						
	1005	14	1.40*	2510	7.3						
	372	39	3.79	2700	1.80	RX	57	DT	90L4	26	118
	397	36	3.55*	2650	1.90						
	450	32	3.14	2560	2.0						
	484	30	2.91	2510	2.3						
	534	27	2.64*	2440	2.6						
	595	24	2.37	2360	2.9						
	691	21	2.04	2260	3.3						
	734	20	1.92*	2220	3.5						
	853	17	1.65	2120	4.1						
	955	15	1.48	2050	4.5						
	1080	13	1.30	1980	4.7						
2.2	0.84	22600	1670	120000	0.80	R	167 R97	DV	100M4	770	167
	0.98	19700	1438	120000	0.90						
	1.1	17500	1279	120000	1.05						
	1.3	15300	1123	120000	1.15						
	1.4	13600	999	120000	1.30						
	1.6	11800	861	120000	1.55						
	1.9	10400	760	120000	1.75						
	2.1	8730	656	120000	2.1						
	2.6	7200	533	71100	1.80	R	147 R87	DV	100M4	460	167
	3.1	6190	462	72100	2.1						
	3.3	5820	426	72400	2.2						
	3.8	5030	368	72900	2.6						
	4.3	4450	326	73300	2.9						
	1.2	16000	1166	36000	0.80	R	147 R77	DV	100M4	435	167
	1.4	14100	1029	60300	0.90						
	1.6	12200	889	64200	1.05						
	1.8	10800	784	66600	1.20						
	2.0	9520	695	68500	1.35						
	2.3	8550	619	69700	1.50						
	2.5	7690	558	70600	1.70						
	2.9	6730	489	71600	1.95						
	2.0	9620	699	41800	0.85	R	137 R77	DV	100M4	295	167
	2.3	8350	609	52500	0.95						

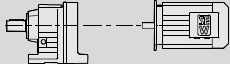


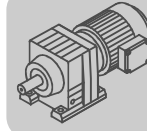
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
2.2	1.9	10000	730	33300	0.80	R RF	137 R77 137 R77	DV DV	100M4 100M4	305	167
	2.2	8610	629	51400	0.95					330	167
	2.5	7730	560	54000	1.05						
	2.9	6720	490	55900	1.20						
	3.3	5860	428	57200	1.35						
	3.7	5260	381	58100	1.50						
	4.4	4460	323	59000	1.80						
	4.8	4020	291	59500	2.0						
	5.5	3510	255	59900	2.3	R RF	107 R77 107 R77	DV DV	100M4 100M4	220	167
	6.3	3070	223	60300	2.6					225	167
	4.4	4450	323	28600	0.95						
	4.9	3920	285	31400	1.10						
	5.6	3470	253	33300	1.25						
	6.6	2940	214	35100	1.45						
	4.4	4540	325	28100	0.95					215	167
	6.8	2880	209	21800	1.05					220	167
	3.1	6680	222.60*	55900	1.20	R RF	137 137	DV DV	132S8 132S8	145	167
	3.7	5660	188.45	57500	1.40					165	167
	4.0	5230	174.40*	58100	1.55						
	4.5	4690	156.31	58800	1.70						
	5.0	4240	141.12*	59300	1.90						
	5.5	3850	128.18	59600	2.1					295	161
	6.2	3410	113.72	60000	2.3					320	162
	6.8	3100	103.20*	60300	2.6						
	4.6	4540	203.16	28100	0.95	R RF	107 107	DV DV	112M6 112M6	190	159
	5.5	3850	172.34	31700	1.10					195	160
	5.9	3550	158.68	33000	1.20						
	6.6	3170	141.83	34400	1.35						
	5.6	3740	251.15	32200	1.15					180	159
	6.1	3430	229.95	33500	1.25					185	160
	6.9	3030	203.16	34900	1.40						
	8.2	2570	172.34	36100	1.65	R RF	107 107	DV DV	100M4 100M4	180	159
	8.9	2360	158.68	36300	1.80					185	160
	9.9	2110	141.83	36600	2.0						
	11	1900	127.68	36900	2.3						
	12	1720	115.63	37000	2.5						
	14	1530	102.53	37200	2.8						
	15	1380	92.70	37300	3.1						
	6.5	3220	216.28	7030	0.95	R RF	97 97	DV DV	100M4 100M4	125	157
	7.6	2780	186.30	22500	1.10					140	158
	8.3	2530	170.02	23900	1.20						
	9.3	2250	150.78	25300	1.35						
	11	1890	126.75	26800	1.60						
	12	1740	116.48	27300	1.75						
	14	1540	103.44	27600	1.95						
	15	1380	92.48	27800	2.2					125	157
	17	1240	83.15	28000	2.4	R RF	87 87	DV DV	100M4 100M4	140	158
	20	1080	72.17	28200	2.8						
	22	970	65.21	27700	3.1						
	24	890	59.92	27000	3.4						
	27	795	53.21	26100	3.8						
	30	710	47.58	25300	4.2						
	11	1860	124.97	10100	0.85	R RF	87 87	DV DV	100M4 100M4	82	154
	12	1760	118.43*	15200	0.90					89	155
	14	1540	103.65	17000	1.00						
	15	1390	93.38	17900	1.10						
	17	1220	81.92	18900	1.25						
	19	1080	72.57	19500	1.45						
	22	950	63.68*	20000	1.65						
	23	900	60.35*	20000	1.70	R RF	87 87	DV DV	100M4 100M4	82	154
	27	785	52.82	20000	1.95					89	155
	30	710	47.58	20000	2.2						
	34	620	41.74	19900	2.5						
	38	550	36.84*	19200	2.8						
	43	485	32.66*	18500	3.2						

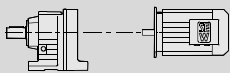


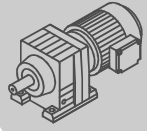
Helical Gearmotors

Selection tables [kW]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
2.2	41	515	34.40*	18800	2.9	R RF	87 87	DV DV	100M4 100M4	81	154
	45	470	31.40	18300	3.3					88	155
	51	415	27.84*	17700	3.7						
	60	350	23.40	16800	4.5						
	66	320	21.51	16400	4.7	R RF	77 77	DV DV	100M4 100M4	55	151
	21	980	65.77	5470	0.85					61	152
	24	860	57.68	9540	0.95						
	27	775	52.07	10300	1.05						
	31	685	45.81	11000	1.20	R RF	77 77	DV DV	100M4 100M4	55	151
	33	645	43.26	11300	1.25					61	152
	38	550	36.83	11800	1.50						
	42	500	33.47	12100	1.65						
	49	430	29.00	12100	1.90	R RF	77 77	DV DV	100M4 100M4	54	151
	56	375	25.23	11700	2.1					60	152
	60	350	23.37	11400	2.4						
	66	320	21.43	11200	2.6						
	75	280	18.80	10800	2.8	R RF	67 67	DV DV	100M4 100M4	49	148
	79	265	17.82*	10600	2.9					52	149
	90	230	15.60	10200	3.2						
	100	210	14.05	9910	3.4						
	35	595	39.88*	7630	1.00	R RF	67 67	DV DV	100M4 100M4	48	148
	38	560	37.50	8020	1.00					51	149
	44	480	32.27	8750	1.10						
	49	430	28.83	9140	1.20						
	60	350	23.44	9140	1.60	R RF	67 67	DV DV	100M4 100M4	43	145
	71	295	19.89	8760	2.0					46	146
	79	270	17.95	8530	2.2						
	89	235	15.79	8240	2.4						
	95	220	14.91	8110	2.5	R RF	57 57	DV DV	100M4 100M4	42	145
	111	189	12.70	7760	2.8					45	146
	122	172	11.54	7560	2.9						
	141	149	10.00	7250	3.2						
	162	130	8.70*	6960	3.4	R RF	57 57	DV DV	100M4 100M4		
	181	116	7.79	6760	3.3						
	38	555	37.30*	4490	0.80						
	40	525	35.07	5110	0.85	R RF	57 57	DV DV	100M4 100M4		
	47	450	30.18	5030	1.00						
	52	400	26.97	4960	1.10						
	64	325	21.93	4800	1.40	R RF	57 57	DV DV	100M4 100M4		
	76	275	18.60*	4660	1.60						
	84	250	16.79	4570	1.80						
	95	220	14.77*	4450	2.0						
	101	210	13.95*	4390	2.1	R RF	57 57	DV DV	100M4 100M4		
	119	177	11.88	4230	2.3						
	131	161	10.79	4140	2.4						
	151	139	9.35	4000	2.7						
	156	135	9.06	3980	2.8	R RF	57 57	DT DT	90L2 90L2	35	145
	177	119	7.97	3850	3.0					38	146
	107	197	26.31	4340	2.3						
	112	187	24.99*	4290	2.4						
	128	164	21.93	4160	2.8	R RF	57 57	DT DT	90L2 90L2		
	151	139	18.60*	3990	3.2						
	167	126	16.79	3890	3.6						
	190	111	14.77*	3760	3.9						
	201	104	13.95*	3710	4.1						



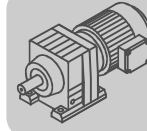
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
2.2	73	285	19.27	3550	1.05	R RF	47 47	DV DV	100M4 100M4	37	142
	87	240	16.22	3460	1.15					37	143
	97	215	14.56	3400	1.20						
	112	187	12.54	3310	1.35						
	120	176	11.79	3270	1.40						
	139	151	10.15	3160	1.50						
	155	135	9.07	3090	1.65						
	176	119	8.01	3000	1.70						
	182	116	7.76*	2910	1.40						
	203	104	6.96	2840	1.55						
	235	89	6.00	2740	1.75						
	250	84	5.64*	2700	1.85						
	291	72	4.85	2600	2.1						
	325	65	4.34	2530	2.3						
	368	57	3.83	2440	2.5						
	121	174	23.28	3260	1.70	R RF	47 47	DT DT	90L2 90L2	30	142
	129	163	21.81	3220	1.85					30	143
	146	144	19.27	3130	2.1						
	157	134	17.89	3080	2.2						
	173	121	16.22	3010	2.3						
	193	109	14.56	2930	2.4						
	224	94	12.54	2830	2.7						
	238	88	11.79	2780	2.8						
	277	76	10.15	2680	3.0						
	310	68	9.07	2600	3.2						
	351	60	8.01	2510	3.4						
	90	230	15.60	1070	0.85	R RF	37 37	DV DV	100M4 100M4	31	139
	106	198	13.25	1660	0.95					33	140
	119	176	11.83	1990	1.05						
	140	151	10.11	2360	1.15	R RF	37 37	DV DV	100M4 100M4	31	139
	149	141	9.47	2480	1.20					33	140
	177	119	7.97	2750	1.30						
	211	99	6.67	2470	1.45						
	249	84	5.67	2570	1.70						
	279	75	5.06	2500	1.80						
	326	64	4.32	2410	1.95						
	348	60	4.05	2370	2.0						
	414	51	3.41	2270	2.2						
	146	144	19.31	2440	1.40	R RF	37 37	DT DT	90L2 90L2	25	139
	156	135	18.05	2560	1.50					27	140
	180	117	15.60	2780	1.70						
	212	99	13.25	2700	1.90	R RF	37 37	DT DT	90L2 90L2	25	139
	237	89	11.83	2630	2.1					27	140
	278	76	10.11	2540	2.3						
	297	71	9.47	2500	2.4						
	352	60	7.97	2390	2.6						
	421	50	6.67	2260	2.9						
	496	42	5.67	2170	3.4						
	555	38	5.06	2100	3.6						
	650	32	4.32	2010	3.9						
	694	30	4.05	1980	4.0						
	824	26	3.41	1880	4.4						
	139	151	10.13	1120	0.80	R RF	27 27	DV DV	100M4 100M4	26	136
	214	98	6.59	1130	1.10					26	137
	252	83	5.60*	1390	1.20						
	282	75	5.00*	1540	1.30						
	330	64	4.27	1540	1.35						
	353	60	4.00*	1520	1.45						
	212	99	13.28*	1710	1.30	R RF	27 27	DT DT	90L2 90L2	20	136
	237	89	11.86	1680	1.45					19	137
	277	76	10.13	1640	1.60						
	344	61	8.16	1520	1.90						
	369	57	7.63*	1500	1.95						
	426	49	6.59	1460	2.2						
	502	42	5.60*	1410	2.4						
	562	37	5.00*	1380	2.5						
	658	32	4.27	1330	2.7						
	703	30	4.00*	1310	2.8						
	834	25	3.37	1250	3.1						

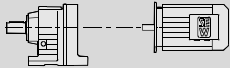


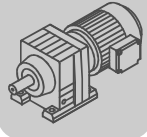
Helical Gearmotors

Selection tables [kW]

P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B					m [kg]	
2.2	298	70	4.73	5180	1.75	RX RXF	77 77	DV DV	100M4 100M4	45	122
	349	60	4.04*	4950	2.4					48	123
	381	55	3.70	4820	2.8						
	434	48	3.25*	4640	3.8						
	458	46	3.08*	4560	4.2						
	523	40	2.70	4380	5.4						
	581	36	2.43	4250	5.9						
	662	32	2.13	4080	6.3						
	750	28	1.88*	3920	6.7						
	846	25	1.67	3780	7.0						
	991	21	1.42	3590	7.3						
	374	56	3.77	3280	1.55	RX RXF	67 67	DV DV	100M4 100M4	36	120
	441	48	3.20*	3130	2.1					40	121
	488	43	2.89	3050	2.5						
	555	38	2.54	2940	3.1						
	588	36	2.40*	2890	3.4						
	690	30	2.04	2760	4.4						
	759	28	1.86	2680	4.6						
	876	24	1.61	2570	4.8						
	1005	21	1.40*	2460	5.0						
	450	47	3.14	2450	1.40	RX RXF	57 57	DV DV	100M4 100M4	33	118
	534	39	2.64*	2340	1.75					35	119
	595	35	2.37	2280	1.95						
	691	30	2.04	2190	2.3						
	734	29	1.92*	2150	2.4						
	853	25	1.65	2060	2.8						
	955	22	1.48	1990	3.1						
	1080	19	1.30	1930	3.3						
3.0	1.2	21200	1123	120000	0.85	R RF	167 R97 167 R97	DV DV	100L4 100L4	770	167
	1.4	18900	999	120000	0.95					780	167
	1.6	16300	861	120000	1.10						
	1.8	14400	760	120000	1.25						
	2.1	12200	656	120000	1.50						
	2.8	9330	503	120000	1.95						
	2.6	9990	533	67800	1.30	R RF	147 R87 147 R87	DV DV	100L4 100L4	465	167
	3.0	8610	462	69600	1.50					470	167
	3.3	8060	426	70200	1.60						
	3.8	6960	368	71400	1.85						
	4.3	6150	326	72100	2.1						
	5.0	5230	280	72800	2.5						
	1.6	16900	889	21900	0.75	R RF	147 R77 147 R77	DV DV	100L4 100L4	440	167
	1.8	14900	784	52000	0.85					450	167
	2.0	13200	695	62300	1.00						
	2.3	11800	619	64900	1.10						
	2.5	10600	558	66900	1.20						
	2.9	9280	490	48100	0.85	R RF	137 R77 137 R77	DV DV	100L4 100L4	310	167
	3.3	8100	428	53200	1.00					335	167
	3.7	7260	381	54900	1.10						
	4.3	6160	323	56800	1.30						
	4.8	5540	291	57700	1.45						
	5.5	4840	255	58600	1.65						
	6.3	4240	223	59300	1.90	R RF	137 R77 137 R77	DV DV	100L4 100L4	300	167
	2.7	9990	517	34100	0.80					325	167
	3.1	8760	453	50700	0.90						
	5.5	4790	253	23500	0.90					225	167
	6.5	4060	214	30700	1.05					230	167
	7.5	3550	187	33000	1.20						
	5.5	4930	256	17400	0.85	R RF	107 R77 107 R77	DV DV	100L4 100L4	215 225	167 167

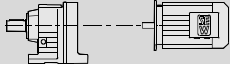


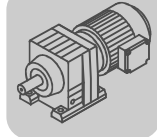
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
3.0	3.2	8860	222.60*	50300	0.90	R RF	137 137	DV DV	132M8 132M8	305	161
	3.8	7500	188.45	54400	1.05					325	162
	4.1	6940	174.40*	55500	1.15						
	4.6	6220	156.31	56700	1.30						
	5.1	5620	141.12*	57600	1.40	R RF	137 137	DV DV	132M8 132M8	305	161
	5.6	5100	128.18	58300	1.55					325	162
	6.3	4520	113.72	59000	1.75						
	7.0	4110	103.20*	59400	1.95						
	8.1	3530	88.70*	59900	2.3	R RF	137 137	DV DV	132S6 132S6	295	161
	4.2	6780	222.60*	55800	1.20					320	162
	5.0	5740	188.45	57400	1.40						
	5.4	5320	174.40*	58000	1.50						
	6.0	4760	156.31	58700	1.70	R RF	137 137	DV DV	132S6 132S6	295	161
	6.7	4300	141.12*	59200	1.85					320	162
	7.3	3910	128.18	59600	2.1						
	8.3	3470	113.72	60000	2.3						
	9.1	3150	103.20*	60200	2.5	R RF	107 107	DV DV	132S6 132S6	195	159
	5.9	4840	158.68	21600	0.90					205	160
	6.6	4320	141.83	29300	1.00						
	7.4	3890	127.68	31500	1.10						
	6.1	4710	229.95	26500	0.90	R RF	107 107	DV DV	100L4 100L4	185	159
	6.9	4160	203.16	30200	1.05					190	160
	8.1	3530	172.34	33100	1.20						
	8.8	3250	158.68	34100	1.30						
	9.9	2900	141.83	35300	1.50						
	11	2610	127.68	36000	1.65						
	12	2370	115.63	36300	1.80						
	14	2100	102.53	36700	2.1						
	15	1900	92.70	36900	2.3						
	18	1610	78.57	35900	2.7						
	19	1490	72.88	35200	2.9						
	9.3	3090	150.78	16200	0.95	R RF	97 97	DV DV	100L4 100L4	125	157
	11	2590	126.75	23600	1.15					145	158
	12	2380	116.48	24700	1.25						
	14	2120	103.44	25900	1.40						
	15	1890	92.48	26800	1.60						
	17	1700	83.15	27300	1.75						
	19	1480	72.17	27700	2.0						
	21	1330	65.21	27000	2.3						
	23	1230	59.92	26400	2.5						
	26	1090	53.21	25600	2.8						
	29	970	47.58	24800	3.1						
	33	880	42.78	24000	3.4	R RF	87 87	DV DV	100L4 100L4	86	154
	38	760	37.13	23100	4.0					93	155
	42	680	33.25	22400	4.3						
	15	1910	93.38	3630	0.80						
	17	1680	81.92	16000	0.90	R RF	87 87	DV DV	100L4 100L4	86	154
	19	1490	72.57	17400	1.05					93	155
	22	1300	63.68*	18400	1.20						
	23	1230	60.35*	18800	1.25	R RF	87 87	DV DV	100L4 100L4	86	154
	27	1080	52.82	19500	1.45					93	155
	29	970	47.58	19900	1.60						
	34	850	41.74	19400	1.80						
	38	755	36.84*	18700	2.1						
	43	670	32.66*	18100	2.3	R RF	87 87	DV DV	100L4 100L4	85	154
	50	570	27.88	17400	2.6					92	155
	41	705	34.40*	18400	2.1						
	45	640	31.40	17900	2.4						
	50	570	27.84*	17400	2.7						
	60	480	23.40	16500	3.2						
	65	440	21.51	16100	3.4						
	73	390	19.10	15600	3.7						
	82	350	17.08*	15100	4.0						
	91	315	15.35	14600	4.3						

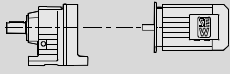


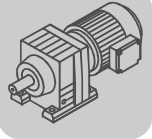
Helical Gearmotors

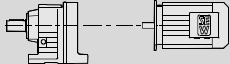
Selection tables [kW]

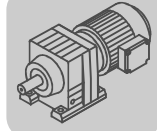
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
3.0	31	940	45.81	8670	0.85	R RF	77 77	DV DV	100L4 100L4	59	151
	32	890	43.26	9270	0.95					65	152
	38	755	36.83	10500	1.10						
	42	685	33.47	11000	1.20						
	48	595	29.00	11600	1.40	R RF	77 77	DV DV	100L4 100L4	59	151
	55	515	25.23	11300	1.50					65	152
	60	480	23.37	11100	1.70	R RF	77 77	DV DV	100L4 100L4		
	65	440	21.43	10800	1.85						
	74	385	18.80	10500	2.0						
	79	365	17.82*	10300	2.1						
	90	320	15.60	9980	2.3						
	100	290	14.05	9700	2.5					58	151
	114	250	12.33	9350	2.7					64	152
	129	225	10.88	9030	3.0						
	145	197	9.64	8720	3.2						
	163	176	8.59	8500	3.6						
	181	158	7.74	8240	3.9						
	206	139	6.79	7920	4.2						
	60	480	23.44	8730	1.15	R RF	67 67	DV DV	100L4 100L4		
	70	405	19.89	8420	1.45						
	78	365	17.95	8230	1.60						
	89	325	15.79	7980	1.75					52	148
	94	305	14.91	7860	1.80					55	149
	110	260	12.70	7550	2.0						
	121	235	11.54	7360	2.1						
	140	205	10.00	7090	2.3						
	52	550	26.97	4330	0.80	R RF	57 57	DV DV	100L4 100L4	47	145
										50	146
	64	450	21.93	4380	1.00						
	75	380	18.60*	4300	1.20	R RF	57 57	DV DV	100L4 100L4	46	145
	83	345	16.79	4250	1.30					49	146
	95	300	14.77*	4160	1.45	R RF	57 57	DV DV	100L4 100L4		
	100	285	13.95*	4130	1.50						
	118	245	11.88	4010	1.65						
	130	220	10.79	3940	1.75						
	150	191	9.35	3820	1.95						
	155	185	9.06	3810	2.0					46	145
	176	163	7.97	3700	2.2					49	146
	186	154	7.53	3650	2.3						
	218	131	6.41	3520	2.6						
	240	119	5.82	3430	2.7						
	277	103	5.05	3310	3.0						
	319	90	4.39	3190	3.1						
	128	225	21.93	3950	2.0	R RF	57 57	DV DV	100M2 100M2		
	151	190	18.60*	3820	2.4						
	167	172	16.79	3730	2.6						
	190	151	14.77*	3620	2.9					42	145
	201	143	13.95*	3570	3.0					45	146
	236	122	11.88	3440	3.3						
	259	110	10.79	3360	3.5						
	86	330	16.22	2030	0.85	R RF	47 47	DV DV	100L4 100L4	41	142
	96	300	14.56	2500	0.90					41	143
	112	255	12.54	3040	0.95						
	119	240	11.79	3040	1.00	R RF	47 47	DV DV	100L4 100L4		
	138	210	10.15	2970	1.10						
	154	186	9.07	2910	1.20						
	175	164	8.01	2840	1.25						
	181	159	7.76*	2740	1.05						
	201	143	6.96	2680	1.10					41	142
	233	123	6.00	2610	1.25					41	143
	248	115	5.64*	2580	1.35						
	288	99	4.85	2490	1.50						
	323	89	4.34	2430	1.65						
	365	78	3.83	2360	1.85						

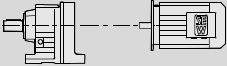


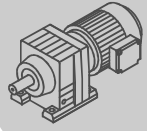
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
3.0	237	121	11.79	2670	2.0	R RF	47 47	DV DV	100M2 100M2	37 37	142 143
	276	104	10.15	2580	2.2						
	309	93	9.07	2510	2.4						
	349	82	8.01	2430	2.5						
	361	79	7.76*	2370	2.1						
	402	71	6.96	2310	2.2						
	467	61	6.00	2220	2.5						
	496	58	5.64*	2190	2.7						
	577	50	4.85	2100	3.0						
	646	44	4.34	2040	3.3						
	731	39	3.83	1970	3.7						
	139	205	10.11	780	0.80	R RF	37 37	DV DV	100L4 100L4	35 37	139 140
	148	194	9.47	1010	0.85						
	176	163	7.97	1510	0.95						
	210	137	6.67	1250	1.05	R RF	37 37	DV DV	100L4 100L4	35 37	139 140
	247	116	5.67	1630	1.25						
	277	104	5.06	1830	1.30						
	324	88	4.32	2070	1.45						
	346	83	4.05	2140	1.45						
	411	70	3.41	2180	1.60						
	277	103	10.11	2340	1.65	R RF	37 37	DV DV	100M2 100M2	31 33	139 140
	296	97	9.47	2380	1.70						
	351	82	7.97	2290	1.90						
	420	68	6.67	2170	2.1						
	494	58	5.67	2090	2.5						
	553	52	5.06	2030	2.6						
	648	44	4.32	1950	2.9						
	692	41	4.05	1920	3.0						
	821	35	3.41	1840	3.2						
	250	115	5.60*	360	0.85	R RF	27 27	DV DV	100L4 100L4	30 30	136 137
	280	102	5.00*	615	0.95						
	328	87	4.27	910	1.00						
	350	82	4.00*	1010	1.05						
	415	69	3.37	1230	1.15						
	425	67	6.59	1260	1.55	R RF	27 27	DV DV	100M2 100M2	26 26	136 137
	500	57	5.60*	1330	1.75						
	560	51	5.00*	1300	1.85						
	656	44	4.27	1260	2.0						
	700	41	4.00*	1240	2.1						
	831	35	3.37	1200	2.3						
	217	132	6.45	7130	1.45	RX RXF	87 87	DV DV	100L4 100L4	66 71	124 125
	252	114	5.56*	6830	2.0						
	276	104	5.07	6650	2.4						
	311	92	4.50*	6430	3.2						
	370	77	3.78	6100	3.9						
	296	97	4.73	5050	1.25	RX RXF	77 77	DV DV	100L4 100L4	49 52	122 123
	347	83	4.04*	4830	1.75						
	378	76	3.70	4720	2.0						
	431	67	3.25*	4550	2.7						
	455	63	3.08*	4480	3.1						
	371	77	3.77	3150	1.15	RX RXF	67 67	DV DV	100L4 100L4	40 44	120 121
	438	66	3.20*	3030	1.55						
	485	59	2.89	2950	1.80						
	551	52	2.54	2850	2.3						
	583	49	2.40*	2810	2.5						
	685	42	2.04	2690	3.2						
	754	38	1.86	2610	3.3						
	870	33	1.61	2510	3.5						
	1000	29	1.40*	2410	3.6						
	446	64	3.14	2330	1.00	RX RXF	57 57	DV DV	100L4 100L4	37 39	118 119
	530	54	2.64*	2240	1.30						
	591	49	2.37	2180	1.40						
	686	42	2.04	2100	1.65						
	729	39	1.92*	2070	1.75						
	847	34	1.65	1990	2.0						
	948	30	1.48	1930	2.3						
	1075	27	1.30	1870	2.4						



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
4.0	1.7	21500	861	120000	0.85	R RF	167 R97 167 R97	DV DV	112M4 112M4	780	167
	1.9	19000	760	120000	0.95					780	167
	2.2	16100	656	120000	1.10						
	2.8	12400	503	120000	1.45						
	3.8	9260	376	120000	1.95						
	4.2	8240	335	120000	2.2						
	2.7	13200	533	62200	1.00	R RF	147 R87 147 R87	DV DV	112M4 112M4	470	167
	3.1	11400	462	65600	1.15					475	167
	3.3	10600	426	66800	1.20						
	3.9	9190	368	68900	1.40						
	4.4	8130	326	70200	1.60						
	5.1	6920	280	71400	1.90						
	5.7	6110	247	72100	2.1						
	6.7	5280	214	72800	2.5						
	7.5	4670	189	73200	2.8						
	9.0	3920	159	73600	3.3						
	2.3	15500	619	43200	0.85	R RF	147 R77 147 R77	DV DV	112M4 112M4	445	167
	2.5	14000	558	60500	0.95					455	167
	2.9	12300	489	64100	1.05						
	3.4	10400	415	67200	1.25						
	3.7	9570	381	42700	0.85						
	4.4	8120	323	53100	1.00	R RF	137 R77 137 R77	DV DV	112M4 112M4	315	167
	4.9	7310	291	54800	1.10					340	167
	5.6	6390	255	56400	1.25						
	6.4	5600	223	57600	1.45						
	3.8	9560	376	43000	0.85						
	4.2	8600	339	51400	0.95	R RF	137 R77 137 R77	DV DV	112M4 112M4	305	167
	4.8	7540	297	54300	1.05					330	167
	7.6	4680	187	27200	0.90						
	7.3	4890	193	19000	0.90	R RF	107 R77 107 R77	DV DV	112M4 112M4	230	167
	8.2	4380	172	29000	1.00					225	167
	4.4	8660	163.31	69500	1.50	R RF	147 147	DV DV	132ML8 132ML8	440	163
	4.9	7790	146.91	70500	1.65					450	164
	6.0	6360	119.86	71900	2.0						
	6.6	5800	109.31	72400	2.2						
	4.1	9250	174.40*	48400	0.85						
	4.6	8290	156.31	52700	0.95	R RF	137 137	DV DV	132ML8 132ML8	310	161
	5.1	7490	141.12*	54400	1.05					335	162
	5.6	6800	128.18	55700	1.20						
	6.3	6030	113.72	57000	1.35						
	7.0	5470	103.20*	57800	1.45						
	4.3	8860	222.60*	50300	0.90	R RF	137 137	DV DV	132M6 132M6	305	161
	5.1	7500	188.45	54400	1.05					325	162
	5.5	6940	174.40*	55500	1.15						
	6.1	6220	156.31	56700	1.30						
	6.8	5620	141.12*	57600	1.40						
	7.5	5100	128.18	58300	1.55						
	8.4	4520	113.72	59000	1.75	R RF	137 137	DV DV	132M6 132M6	305	161
	9.3	4110	103.20*	59400	1.95					325	162
	11	3530	88.70*	59900	2.3						
	8.2	4640	172.34	27500	0.95	R RF	107 107	DV DV	112M4 112M4	190	159
	9.0	4270	158.68	29600	1.00					195	160
	10	3820	141.83	31900	1.15						
	11	3430	127.68	33400	1.25						
	12	3110	115.63	34600	1.40						
	14	2760	102.53	35700	1.55						
	15	2490	92.70	36200	1.70						
	18	2110	78.57	34900	2.0						
	19	1960	72.88	34200	2.2						
	22	1760	65.60*	33200	2.4						
	24	1600	59.41	32300	2.7						
	27	1420	52.68	31300	3.0						

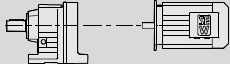


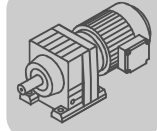
P _m [kW]	n _a [1/min]	M _a [Nm]	i	F _{Ra} ¹⁾ [N]	SEW f _B					m [kg]	
4.0	12	3130	116.48	13800	0.95	R RF	97 97	DV DV	112M4 112M4	135 150	157 158
	14	2780	103.44	22400	1.10						
	15	2490	92.48	24100	1.20						
	17	2240	83.15	25400	1.35						
	20	1940	72.17	26600	1.55						
	22	1750	65.21	26000	1.70						
	24	1610	59.92	25500	1.85						
	27	1430	53.21	24700	2.1						
	30	1280	47.58	24000	2.3						
	33	1150	42.78	23400	2.6						
	38	1000	37.13	22500	3.0						
	43	890	33.25	21800	3.2						
	44	860	32.05	21600	3.0	R RF	97 97	DV DV	112M4 112M4	130 150	157 158
	52	730	27.19	20600	3.5						
	57	675	25.03	20100	4.2						
	63	600	22.37	19500	4.5						
	71	540	20.14	18900	4.8						
	22	1710	63.68*	13300	0.90	R RF	87 87	DV DV	112M4 112M4	91 98	154 155
	24	1620	60.35*	13900	0.95						
	27	1420	52.82	15200	1.10						
	30	1280	47.58	16000	1.20	R RF	87 87	DV DV	112M4 112M4	91 98	154 155
	34	1120	41.74	16800	1.40						
	39	990	36.84*	17400	1.55						
	43	880	32.66*	17500	1.75						
	51	750	27.88	16800	2.0						
	41	930	34.40*	17600	1.60	R RF	87 87	DV DV	112M4 112M4	90 97	154 155
	45	840	31.40	17400	1.85						
	51	750	27.84*	16800	2.1						
	61	630	23.40	16100	2.5						
	66	580	21.51	15700	2.6						
	74	515	19.10	15200	2.8						
	83	460	17.08*	14700	3.0						
	92	415	15.35	14300	3.2						
	107	360	13.33	13700	3.6						
	119	320	11.93	13300	3.8						
	39	990	36.83	4070	0.85	R RF	77 77	DV DV	112M4 112M4	65 71	151 152
	42	900	33.47	9100	0.90						
	49	780	29.00	10300	1.05						
	56	680	25.23	10800	1.15						
	61	630	23.37	10600	1.30	R RF	77 77	DV DV	112M4 112M4	64 70	151 152
	66	575	21.43	10400	1.40						
	76	505	18.80	10100	1.55						
	80	480	17.82*	9950	1.65						
	91	420	15.60	9630	1.75						
	101	380	14.05	9380	1.90						
	115	330	12.33	9070	2.1						
	131	295	10.88	8780	2.3						
147	260	9.64	8500	2.4							
165	230	8.59	8320	2.7							
183	210	7.74	8070	2.9							
209	183	6.79	7770	3.2							
237	161	5.99*	7490	3.4							
267	143	5.31*	7230	3.6							
71	535	19.89	7960	1.10	R RF	67 67	DV DV	112M4 112M4	59 62	148 149	
79	485	17.95	7800	1.20							
90	425	15.79	7600	1.30							
95	400	14.91	7510	1.35							
112	340	12.70	7240	1.50							
123	310	11.54	7080	1.60							
142	270	10.00	6840	1.75							
163	235	8.70*	6600	1.90							
182	210	7.79	6440	1.80							
193	198	7.36*	6340	1.85							
227	169	6.27	6070	1.95							
249	153	5.70	5920	2.0							
288	133	4.93	5680	2.2							
331	116	4.29	5460	2.3							

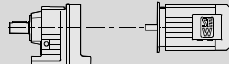


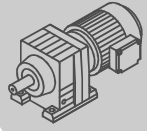
Helical Gearmotors

Selection tables [kW]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
4.0	76	500	18.60*	3520	0.90	R RF	57 57	DV DV	112M4 112M4	53	145
	85	450	16.79	3830	1.00					56	146
	96	395	14.77*	3800	1.10						
	102	375	13.95*	3780	1.15	R RF	57 57	DV DV	112M4 112M4	53	145
	120	320	11.88	3710	1.25					56	146
	132	290	10.79	3660	1.35						
	152	250	9.35	3580	1.45						
	157	245	9.06	3590	1.55						
	178	215	7.97	3500	1.65						
	189	205	7.53	3470	1.75						
	222	172	6.41	3350	1.95						
	244	157	5.82	3280	2.0						
	281	136	5.05	3180	2.3						
	323	118	4.39	3070	2.4						
	140	275	10.15	1960	0.85	R RF	47 47	DV DV	112M4 112M4	48	142
	157	245	9.07	2350	0.90					48	143
	177	215	8.01	2640	0.95						
	204	187	6.96	2480	0.85						
	237	161	6.00	2430	0.95						
	252	152	5.64*	2410	1.00						
	293	131	4.85	2350	1.15						
	327	117	4.34	2300	1.25						
	371	103	3.83	2250	1.40						
	176	215	16.22	2640	1.25	R RF	47 47	DV DV	112M2 112M2	48	142
	196	195	14.56	2600	1.35					48	143
	228	168	12.54	2540	1.50						
	242	158	11.79	2510	1.55						
	282	136	10.15	2440	1.70						
	315	121	9.07	2390	1.80						
	357	107	8.01	2320	1.90						
	369	104	7.76*	2250	1.55						
	411	93	6.96	2200	1.70						
	477	80	6.00	2130	1.95						
	507	75	5.64*	2100	2.1						
	589	65	4.85	2020	2.3						
	660	58	4.34	1970	2.5						
	746	51	3.83	1910	2.8						
	255	150	5.56*	6630	1.50	RX RXF	87 87	DV DV	112M4 112M4	71	124
	280	137	5.07	6470	1.85					76	125
	316	121	4.50*	6260	2.4						
	375	102	3.78	5960	3.0						
	351	109	4.04*	4670	1.30	RX RXF	77 77	DV DV	112M4 112M4	55	122
	383	100	3.70	4560	1.55					58	123
	437	87	3.25*	4410	2.1						
	461	83	3.08*	4350	2.3						
	527	73	2.70	4190	3.0						
	585	65	2.43	4070	3.3						
	667	57	2.13	3920	3.5						
	755	51	1.88*	3780	3.7						
	852	45	1.67	3650	3.9						
	998	38	1.42	3480	4.1						
	444	86	3.20*	2870	1.15	RX RXF	67 67	DV DV	112M4 112M4	47	120
	492	78	2.89	2810	1.35					51	121
	559	68	2.54	2730	1.75						
	592	65	2.40*	2690	1.90						
	695	55	2.04	2580	2.4						
	765	50	1.86	2520	2.5						
	883	43	1.61	2420	2.6						
	1015	38	1.40*	2330	2.8						
	538	71	2.64*	1670	0.95	RX RXF	57 57	DV DV	112M4 112M4	44	118
	599	64	2.37	1780	1.10					46	119
	696	55	2.04	1910	1.25						
	740	52	1.92*	1940	1.35						
	859	44	1.65	1900	1.55						
	962	40	1.48	1840	1.70						
	1090	35	1.30	1790	1.80						

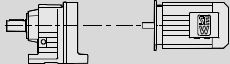


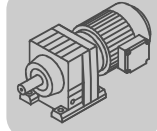
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B		m [kg]				
5.5	2.2	22200	656	120000	0.80	R RF	167 R97 167 R97	DV DV	132S4 132S4	780 790	167 167
	2.5	19400	579	120000	0.95						
	2.8	17000	503	120000	1.05						
	3.3	14500	432	120000	1.25						
	3.8	12700	376	120000	1.40						
	4.3	11300	335	120000	1.60						
	4.7	10200	303	120000	1.75						
	5.1	9360	279	120000	1.90						
	3.1	15700	462	41200	0.85	R RF	147 R87 147 R87	DV DV	132S4 132S4	475 480	167 167
	3.4	14600	426	55400	0.90						
	3.9	12600	368	63500	1.05						
	4.4	11100	326	66000	1.15						
	5.1	9520	280	68500	1.35						
	5.8	8400	247	69900	1.55						
	6.7	7250	214	71100	1.80						
	7.6	6410	189	71900	2.0						
	3.1	17000	229.71	120000	1.05	R RF	167 167	DV DV	160M8 160M8	700 700	165 166
	3.8	13800	186.93*	120000	1.30						
	4.6	11300	153.07	120000	1.60						
	5.1	10400	139.98	120000	1.75						
	5.8	9010	121.81*	120000	2.0						
	4.4	12100	163.31	64400	1.10	R RF	147 147	DV DV	160M8 160M8	445 455	163 164
	4.8	10900	146.91	66500	1.20						
	5.9	8870	119.86	69300	1.45						
	6.5	8090	109.31	70200	1.60						
	5.9	8930	163.31	69200	1.45	R RF	147 147	DV DV	132ML6 132ML6	440 450	163 164
	6.5	8040	146.91	70300	1.60						
	8.0	6560	119.86	71700	2.0						
	8.8	5980	109.31	72200	2.2	R RF	147 147	DV DV	132ML6 132ML6	440 450	163 164
	10	5180	94.60*	72800	2.5						
	12	4570	83.47	73200	2.9						
	5.5	9480	128.18	44400	0.85	R RF	137 137	DV DV	160M8 160M8	315 340	161 162
	6.2	8410	113.72	52200	0.95						
	6.9	7630	103.20*	54200	1.05						
	8.0	6560	88.70*	56100	1.20						
	5.5	9540	174.40*	43300	0.85	R RF	137 137	DV DV	132ML6 132ML6	310 335	161 162
	6.1	8550	156.31	51600	0.95						
	6.8	7720	141.12*	54000	1.05						
	7.5	7010	128.18	55300	1.15						
	8.4	6220	113.72	56700	1.30						
	9.3	5650	103.20*	57600	1.40						
	6.4	8180	222.60*	53000	1.00	R RF	137 137	DV DV	132S4 132S4	295 320	161 162
	7.6	6920	188.45	55500	1.15						
	8.2	6410	174.40*	56400	1.25						
	9.2	5740	156.31	57400	1.40						
	10	5180	141.12*	58200	1.55						
	11	4710	128.18	58800	1.70	R RF	137 137	DV DV	132S4 132S4	295 320	161 162
	13	4180	113.72	59300	1.90						
	14	3790	103.20*	59700	2.1						
	16	3260	88.70*	60200	2.5						
	18	2970	80.91*	60400	2.7						
	19	2700	73.49	60500	3.0						
	22	2390	65.20	60700	3.3						
	24	2170	59.17*	60900	3.7						
	28	1870	50.86*	61000	4.3						
	11	4690	127.68	27100	0.90	R RF	107 107	DV DV	132S4 132S4	195 205	159 160
	12	4250	115.63	29800	1.00						
	14	3770	102.53	32100	1.15						
	15	3400	92.70	33500	1.25						
	18	2890	78.57	33500	1.50						
	20	2680	72.88	32900	1.60						
	22	2410	65.60*	32100	1.80						
	24	2180	59.41	31300	1.95						
	27	1930	52.68	30300	2.2						
	30	1750	47.63	29500	2.5						
	35	1480	40.37*	28200	2.9						

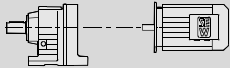


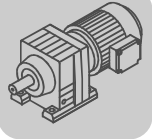
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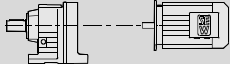
Selection tables [kW]

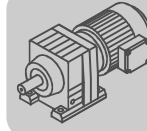
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
5.5	17	3050	83.15	17600	1.00	R RF	97 97	DV DV	132S4 132S4	140 155	157 158
	20	2650	72.17	21800	1.15						
	22	2390	65.21	24600	1.25						
	24	2200	59.92	24200	1.35						
	27	1950	53.21	23600	1.55						
	30	1750	47.58	23000	1.70						
	33	1570	42.78	22500	1.90						
	39	1360	37.13	21700	2.2						
	43	1220	33.25	21100	2.4	R RF	97 97	DV DV	132S4 132S4	135 155	157 158
	52	1010	27.58	20100	2.6						
	45	1180	32.05	20900	2.2						
	53	1000	27.19	20000	2.6						
	57	920	25.03	19600	3.1						
	64	820	22.37	19000	3.3						
	71	740	20.14	18400	3.5						
	78	670	18.24	17900	3.7						
	88	595	16.17	17300	4.0	R RF	87 87	DV DV	132S4 132S4	97 105	154 155
	30	1750	47.58	15400	0.90						
	34	1530	41.74	17000	1.00						
	39	1350	36.84*	17200	1.15						
	44	1200	32.66*	16700	1.30						
	51	1020	27.88	16100	1.45						
	51	1020	27.84*	16100	1.50						
	61	860	23.40	15500	1.80						
	66	790	21.51	15200	1.90	R RF	87 87	DV DV	132S4 132S4	96 105	154 155
	75	700	19.10	14700	2.1						
	84	625	17.08*	14300	2.2						
	93	565	15.35	13900	2.4						
	107	490	13.33	13400	2.6						
	120	440	11.93	13000	2.8						
	144	365	9.90*	12300	3.3						
	156	335	9.14*	12200	3.6						
	174	300	8.22	11800	3.8	R RF	77 77	DV DV	132S4 132S4	71 77	151 152
	200	260	7.13	11300	4.1						
	76	690	18.80	9240	1.15						
	80	655	17.82*	9400	1.20						
	92	575	15.60	9150	1.30						
	102	515	14.05	8950	1.40						
	116	455	12.33	8690	1.50	R RF	77 77	DV DV	132S4 132S4	71 77	151 152
	131	400	10.88	8440	1.65						
	148	355	9.64	8190	1.80						
	166	315	8.59	8080	2.0						
	185	285	7.74	7860	2.2						
	211	250	6.79	7580	2.3						
	239	220	5.99*	7320	2.5						
	269	195	5.31*	7070	2.6	R RF	67 67	DV DV	132S4 132S4	64 67	148 149
	91	580	15.79	6610	0.95						
	96	550	14.91	6900	1.00						
	113	465	12.70	6810	1.10						
	124	425	11.54	6690	1.20						
	143	365	10.00	6500	1.30						
	164	320	8.70*	6310	1.40						
	183	285	7.79	6180	1.35	R RF	67 67	DV DV	132S2 132S2	64 67	148 149
	194	270	7.36*	6100	1.35						
	228	230	6.27	5860	1.45						
	251	210	5.70	5720	1.50						
	290	181	4.93	5510	1.60						
	333	158	4.29	5310	1.70						
	331	159	8.70*	5300	2.8	R RF	67 67	DV DV	132S2 132S2	64 67	148 149
	369	142	7.79	5160	2.7						
	391	134	7.36*	5080	2.8						
	460	114	6.27	4860	2.9						
	506	104	5.70	4730	3.0						
	584	90	4.93	4540	3.2						
	671	78	4.29	4350	3.5						

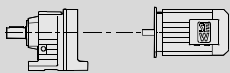


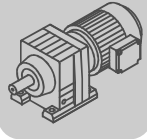
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
5.5	97	545	14.77*	1730	0.80	R RF	57 57	DV DV	132S4 132S4	58	145
	103	510	13.95*	2070	0.85					61	146
	120	435	11.88	2900	0.95						
	132	395	10.79	3270	1.00						
	153	345	9.35	3240	1.10	R RF	57 57	DV DV	132S4 132S4	58	145
	179	295	7.97	3220	1.20					61	146
	190	275	7.53	3200	1.25						
	223	235	6.41	3120	1.40						
	246	215	5.82	3080	1.50						
	283	185	5.05	3000	1.65						
	326	161	4.39	2920	1.75						
	308	171	9.35	2930	2.2	R RF	57 57	DV DV	132S2 132S2	58	145
	361	145	7.97	2850	2.4					61	146
	383	137	7.53	2820	2.6						
	449	117	6.41	2720	2.9						
	494	106	5.82	2660	3.0						
	571	92	5.05	2560	3.3						
	656	80	4.39	2470	3.5						
	295	178	4.85	1870	0.85	R RF	47 47	DV DV	132S4 132S4	53	142
	330	159	4.34	2110	0.90					53	143
	373	141	3.83	2080	1.00						
	230	230	12.54	1730	1.10	R RF	47 47	DV DV	132S2 132S2	53	142
	244	215	11.79	1910	1.15					53	143
	284	185	10.15	2250	1.25						
	318	165	9.07	2220	1.35						
	359	146	8.01	2170	1.40						
	480	109	6.00	2000	1.45						
	511	103	5.64*	1970	1.50						
	593	89	4.85	1920	1.70						
	664	79	4.34	1870	1.85						
	752	70	3.83	1820	2.1						
	216	245	6.63*	10500	1.90	RX RXF	107 107	DV DV	132S4 132S4	135	128
	255	205	5.61	9980	2.2					150	129
	276	191	5.19	9760	3.7						
	307	171	4.65	9460	4.1						
	247	215	5.79	8380	1.95	RX RXF	97 97	DV DV	132S4 132S4	105	126
	291	180	4.91	8010	2.2					110	127
	316	166	4.52	7820	3.6						
	354	149	4.04	7580	4.0						
	393	134	3.64*	7350	4.5						
	434	121	3.30	7140	4.9						
	489	107	2.92	6890	5.5						
	541	97	2.64	6690	6.1						
	638	82	2.24*	6360	7.2						
	731	72	1.96	6110	7.9						
	874	60	1.64	5780	8.4						
	1010	52	1.42	5530	8.8						
	318	165	4.50*	6040	1.75	RX RXF	87 87	DV DV	132S4 132S4	77	124
	378	139	3.78	5770	2.2					82	125
	411	128	3.48	5640	3.2						
	463	113	3.09	5460	3.6						
	518	101	2.76*	5290	4.0						
	576	91	2.48	5130	4.5						
	664	79	2.15	4930	4.9						
	440	119	3.25*	4220	1.50	RX RXF	77 77	DV DV	132S4 132S4	62	122
	464	113	3.08*	4160	1.70					65	123
	530	99	2.70	4030	2.2						
	589	89	2.43	3920	2.4						
	671	78	2.13	3780	2.6						
	761	69	1.88*	3660	2.7						
	858	61	1.67	3540	2.8						
	1005	52	1.42	3380	3.0						



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
5.5	563	93	2.54	2550	1.25	RX RXF	67 67	DV DV	132S4 132S4	52 56	120 121
	596	88	2.40*	2520	1.40						
	700	75	2.04	2430	1.80						
	770	68	1.86	2380	1.85						
	889	59	1.61	2300	1.95						
	1020	51	1.40*	2220	2.0						
	700	75	2.04	665	0.90	RX RXF	57 57	DV DV	132S4 132S4	49 51	118 119
	745	71	1.92*	755	1.00						
	866	61	1.65	940	1.15						
	969	54	1.48	1020	1.25						
	1095	48	1.30	1160	1.30						
7.5	2.8	23400	503	120000	0.75	R RF	167 R97 167 R97	DV DV	132M4 132M4	800 810	167 167
	3.3	19900	432	120000	0.90						
	3.8	17500	376	120000	1.05						
	4.3	15600	335	120000	1.15						
	4.7	14000	303	120000	1.30						
	5.1	12900	279	120000	1.40	R RF	147 R87 147 R87	DV DV	132M4 132M4	495 500	167 167
	4.4	15200	326	47300	0.85						
	5.1	13000	280	62600	1.00						
	5.8	11500	247	65400	1.15						
	6.7	9940	214	67900	1.30						
	7.6	8790	189	69400	1.50	R RF	167 167	DV DV	160L8 160L8	730 740	165 166
	9.0	7390	159	71000	1.75						
	3.1	22900	229.71	120000	0.80						
	3.9	18600	186.93*	120000	0.95						
	4.7	15200	153.07	120000	1.20						
	5.1	13900	139.98	120000	1.30	R RF	167 167	DV DV	160M6 160M6	700 700	165 166
	5.9	12100	121.81*	120000	1.50						
	4.2	17100	229.71	120000	1.05						
	5.1	13900	186.93*	120000	1.30						
	6.3	11400	153.07	120000	1.60	R RF	167 167	DV DV	160M6 160M6	700 700	165 166
	6.9	10400	139.98	120000	1.70						
	7.9	9090	121.81*	120000	2.0						
	8.9	8020	107.49	120000	2.2						
	10	6950	93.19	120000	2.6	R RF	147 147	DV DV	160L8 160L8	480 490	163 164
	12	6190	82.91*	120000	2.9						
	13	5500	73.70*	120000	3.3						
	14	5030	67.40	120000	3.6						
	4.4	16200	163.31	32800	0.80	R RF	147 147	DV DV	160M6 160M6	445 455	163 164
	4.9	14600	146.91	55100	0.90						
	6.0	11900	119.86	64700	1.10						
	6.6	10900	109.31	66500	1.20						
	5.9	12200	163.31	64200	1.05	R RF	147 147	DV DV	160M6 160M6	445 455	163 164
	6.5	11000	146.91	66300	1.20						
	8.0	8940	119.86	69200	1.45						
	8.8	8150	109.31	70100	1.60	R RF	137 137	DV DV	132M4 132M4	305 325	161 162
	10	7060	94.60*	71300	1.85						
	12	6230	83.47	72000	2.1						
	7.6	9440	188.45	45300	0.85	R RF	137 137	DV DV	132M4 132M4	305 325	161 162
	8.2	8730	174.40*	50800	0.90						
	9.2	7830	156.31	53700	1.00						
	10	7070	141.12*	55200	1.15						
	11	6420	128.18	56400	1.25	R RF	137 137	DV DV	132M4 132M4	305 325	161 162
	13	5700	113.72	57500	1.40						
	14	5170	103.20*	58200	1.55						
	16	4440	88.70*	59100	1.80						
	18	4050	80.91*	59500	1.95						
	19	3680	73.49	59800	2.2						
	22	3270	65.20	60100	2.5						
	24	2960	59.17*	60400	2.7						
	28	2550	50.86*	60600	3.1						

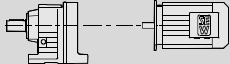


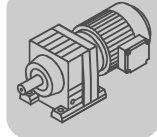
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
7.5	15	4640	92.70	27500	0.95	R RF	107 107	DV DV	132M4 132M4	215	159
	18	3940	78.57	31300	1.10					225	160
	20	3650	72.88	31300	1.20						
	22	3290	65.60*	30600	1.30						
	24	2980	59.41	30000	1.45						
	27	2640	52.68	29200	1.65						
	30	2390	47.63	28500	1.80						
	35	2020	40.37*	27300	2.1						
	41	1770	35.26	26400	2.4	R RF	107 107	DV DV	132M4 132M4	210	159
	48	1480	29.49	25200	2.9					215	160
	46	1540	30.77	25500	2.8						
	52	1380	27.58	24700	3.1						
	57	1250	24.90*	24100	3.5						
	63	1130	22.62	23400	3.8						
	24	3000	59.92	19700	1.00	R RF	97 97	DV DV	132M4 132M4	160	157
	27	2670	53.21	22200	1.15					175	158
	30	2380	47.58	21800	1.25						
	33	2140	42.78	21300	1.40						
	39	1860	37.13	20700	1.60						
	43	1670	33.25	20200	1.75						
	52	1380	27.58	19400	1.95						
	45	1610	32.05	20000	1.60	R RF	97 97	DV DV	132M4 132M4	155	157
	53	1360	27.19	19300	1.90					175	158
	57	1250	25.03	18900	2.3						
	64	1120	22.37	18400	2.4						
	71	1010	20.14	17900	2.6						
	78	910	18.24	17500	2.7						
	39	1840	36.84*	11500	0.85	R RF	87 87	DV DV	132M4 132M4	120	154
	44	1640	32.66*	15700	0.95					125	155
	51	1400	27.88	15200	1.05						
	51	1390	27.84*	15200	1.10						
	61	1170	23.40	14700	1.30						
	66	1080	21.51	14500	1.40						
	75	960	19.10	14100	1.50						
	84	860	17.08*	13700	1.65	R RF	87 87	DV DV	132M4 132M4	120	154
	93	770	15.35	12500	1.75					125	155
	107	670	13.33	12900	1.90						
	120	600	11.93	12600	2.1						
	144	495	9.90*	12000	2.4						
	156	460	9.14*	11900	2.6						
	174	410	8.22	11600	2.8						
	200	355	7.13	11100	3.0	R RF	77 77	DV DV	132M4 132M4	92	151
	224	320	6.39	10800	3.2					98	152
	270	265	5.30*	10200	3.4						
	76	940	18.80	5310	0.85						
	80	890	17.82*	5720	0.85						
	92	780	15.60	6610	0.95						
	102	705	14.05	7180	1.00						
	116	615	12.33	7750	1.10	R RF	67 67	DV DV	132M4 132M4	87	148
	131	545	10.88	8010	1.20					90	149
	148	485	9.64	7810	1.30						
	166	430	8.59	7620	1.45						
	185	390	7.74	7590	1.55						
	211	340	6.79	7340	1.70						
	239	300	5.99*	7110	1.80						
	269	265	5.31*	6890	1.90						
	113	635	12.70	4240	0.80	R RF	67 67	DV DV	132M4 132M4	87	148
	124	580	11.54	4860	0.85					90	149
	143	500	10.00	5620	0.95						
	164	435	8.70*	5930	1.00						
	183	390	7.79	5500	0.95						
	194	370	7.36*	5720	1.00						
	228	315	6.27	5600	1.05						
	251	285	5.70	5480	1.10						
	290	245	4.93	5300	1.15						
	333	215	4.29	5130	1.25						

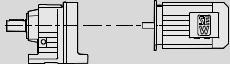


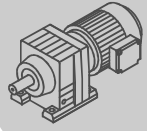
Helical Gearmotors

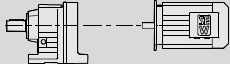
Selection tables [kW]

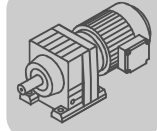
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
7.5	179	400	7.97	980	0.90	R RF	57 57	DV DV	132M4 132M4	81 84	145 146
	190	375	7.53	1280	0.95						
	223	320	6.41	2020	1.05						
	246	290	5.82	2380	1.10						
	283	255	5.05	2760	1.20						
	326	220	4.39	2710	1.25	R RF	57 57	DV DV	132M2 132M2	87 90	145 146
	196	365	14.77*	2580	1.20						
	208	345	13.95*	2780	1.25						
	244	295	11.88	2780	1.40						
	269	265	10.79	2750	1.45						
	310	230	9.35	2710	1.60						
	364	197	7.97	2670	1.80						
	385	186	7.53	2640	1.90						
	452	158	6.41	2570	2.1						
	498	144	5.82	2520	2.2						
	575	125	5.05	2440	2.5						
	660	108	4.39	2370	2.6	RX RXF	107 107	DV DV	132M4 132M4	155 170	128 129
	216	330	6.63*	10100	1.40						
	255	280	5.61	9690	1.60						
	276	260	5.19	9490	2.7						
	307	235	4.65	9210	3.0						
	340	210	4.20*	8950	3.9	RX RXF	97 97	DV DV	132M4 132M4	125 130	126 127
	247	290	5.79	8080	1.45						
	291	245	4.91	7750	1.60						
	316	225	4.52	7580	2.6						
	354	205	4.04	7360	2.9						
	393	182	3.64*	7160	3.3						
	434	165	3.30	6960	3.6						
	489	146	2.92	6730	4.1	RX RXF	87 87	DV DV	132M4 132M4	99 105	124 125
	318	225	4.50*	5760	1.30						
	378	189	3.78	5530	1.60						
	411	174	3.48	5420	2.3						
	463	155	3.09	5260	2.6						
	518	138	2.76*	5110	2.9						
	576	124	2.48	4970	3.3						
	664	108	2.15	4780	3.6						
	741	97	1.93	4640	3.7						
	894	80	1.60*	4400	3.9						
	1030	70	1.39	4230	4.2	RX RXF	77 77	DV DV	132M4 132M4	83 86	122 123
	440	163	3.25*	3820	1.10						
	464	154	3.08*	3890	1.25						
	530	135	2.70	3820	1.60						
	589	122	2.43	3730	1.75						
	671	107	2.13	3620	1.85						
	761	94	1.88*	3510	2.0						
	858	84	1.67	3400	2.1						
	1005	71	1.42	3260	2.2	RX RXF	67 67	DV DV	132M4 132M4	75 79	120 121
	563	127	2.54	1500	0.95						
	596	120	2.40*	1610	1.00						
	700	102	2.04	1810	1.30						
	770	93	1.86	1930	1.35						
	889	81	1.61	2060	1.40						
	1020	70	1.40*	2080	1.50	R RF	167 R97 167 R97	DV DV	132ML4 132ML4	810 820	167 167
9.2	3.8	21400	376	120000	0.85						
	4.3	19000	335	120000	0.95						
	4.8	17100	303	120000	1.05						
	5.2	15700	279	120000	1.15						
	5.1	15900	280	37800	0.80		147 R87 147 R87	DV DV	132ML4 132ML4	500 510	167 167
	5.8	14000	247	60400	0.95						
	6.7	12100	214	64300	1.05						
	7.6	10700	189	66700	1.20						
	9.1	9020	159	69100	1.45						

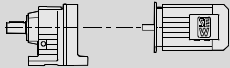


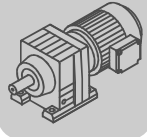
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
9.2	8.8	9960	163.31	67800	1.30	R	147	DV	132ML4	440	163
	9.8	8960	146.91	69200	1.45	RF	147	DV	132ML4	450	164
	12	7310	119.86	71000	1.80						
	13	6670	109.31	71600	1.95						
	15	5770	94.60*	72400	2.3	R	147	DV	132ML4	440	163
	17	5090	83.47	72900	2.6	RF	147	DV	132ML4	450	164
	20	4400	72.09	73300	3.0						
	22	4090	66.99	73500	3.2						
	9.2	9540	156.31	43400	0.85						
	10	8610	141.12*	51400	0.95	R	137	DV	132ML4	310	161
	11	7820	128.18	53800	1.00	RF	137	DV	132ML4	335	162
	13	6940	113.72	55500	1.15						
	14	6300	103.20*	56600	1.25						
	16	5410	88.70*	57900	1.50						
	18	4940	80.91*	58500	1.60						
	20	4480	73.49	59000	1.80	R	137	DV	132ML4	310	161
	22	3980	65.20	59500	2.0	RF	137	DV	132ML4	335	162
	24	3610	59.17*	59900	2.2						
	28	3100	50.86*	60300	2.6						
	32	2710	44.39	60500	3.0						
	18	4790	78.57	23300	0.90						
	20	4450	72.88	28600	0.95						
	22	4000	65.60*	29400	1.05						
	24	3620	59.41	28800	1.20	R	107	DV	132ML4	225	159
	27	3210	52.68	28100	1.35	RF	107	DV	132ML4	230	160
	30	2910	47.63	27500	1.50						
	36	2460	40.37*	26500	1.75						
	41	2150	35.26	25700	2.0						
	49	1800	29.49	24600	2.4						
	47	1880	30.77	24900	2.3						
	52	1680	27.58	24200	2.6	R	107	DV	132ML4	220	159
	58	1520	24.90*	23500	2.8	RF	107	DV	132ML4	225	160
	64	1380	22.62	23000	3.1						
	72	1220	20.07	22200	3.5						
	27	3250	53.21	3280	0.90	R	97	DV	132ML4	170	157
	30	2900	47.58	20600	1.05	RF	97	DV	132ML4	185	158
	34	2610	42.78	20300	1.15						
	39	2270	37.13	19800	1.30	R	97	DV	132ML4	170	157
	43	2030	33.25	19400	1.40	RF	97	DV	132ML4	185	158
	52	1680	27.58	18700	1.60						
	58	1530	25.03	18300	1.85						
	64	1370	22.37	17900	2.0						
	71	1230	20.14	17400	2.1	R	97	DV	132ML4	165	157
	79	1110	18.24	17000	2.3	RF	97	DV	132ML4	185	158
	89	990	16.17	16500	2.4						
	98	890	14.62	16100	2.6						
	116	755	12.39	15400	2.9						
	67	1310	21.51	13900	1.15						
	75	1170	19.10	13600	1.25						
	84	1040	17.08*	13200	1.35						
	94	940	15.35	13000	1.45						
	108	810	13.33	12600	1.55	R	87	DV	132ML4	125	154
	121	730	11.93	12200	1.70	RF	87	DV	132ML4	135	155
	145	605	9.90*	11700	1.95						
	158	560	9.14*	11700	2.2						
	175	500	8.22	11400	2.3						
	202	435	7.13	10900	2.5						
	225	390	6.39	10600	2.6						
	102	860	14.05	4740	0.85						
	117	750	12.33	5610	0.90	R	77	DV	132ML4	100	151
	132	665	10.88	6280	1.00	RF	77	DV	132ML4	105	152
	149	590	9.64	6800	1.05						
	186	470	7.74	6300	1.30						
	212	415	6.79	6720	1.40	R	77	DV	132ML4	100	151
	240	365	5.99*	6920	1.50	RF	77	DV	132ML4	105	152
	271	325	5.31*	6720	1.55						

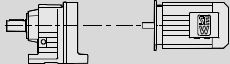


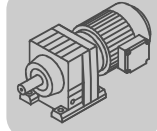
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
9.2	277	315	5.19	9240	2.2	RX	107	DV	132ML4	165	128
	310	285	4.65	8990	2.5						
	343	255	4.20*	8760	3.2						
	377	235	3.81	8540	3.6						
	425	205	3.38	8270	4.0						
	318	275	4.52	7370	2.2	RX	97	DV	132ML4	135	126
	356	245	4.04	7170	2.4						
	396	220	3.64*	6980	2.7						
	437	200	3.30	6800	3.0						
	493	178	2.92	6590	3.3						
	545	161	2.64	6410	3.7						
	643	137	2.24*	6120	4.4						
	736	119	1.96	5890	4.8						
	880	100	1.64	5590	5.1						
	1015	86	1.42	5360	5.3						
	414	210	3.48	5220	1.90	RX	87	DV	132ML4	110	124
	466	188	3.09	5080	2.2						
	522	168	2.76*	4950	2.4						
	580	151	2.48	4820	2.7						
	669	131	2.15	4650	2.9						
	747	118	1.93	4520	3.0						
	900	98	1.60*	4300	3.2						
	1035	85	1.39	4140	3.4						
	593	148	2.43	3010	1.45						
	676	130	2.13	3160	1.55						
	766	115	1.88*	3260	1.65						
	864	102	1.67	3280	1.70						
	1010	87	1.42	3160	1.80						
	4.9	19600	295	120000	0.90	R	167 R107	DV	160M4	860	167
	5.3	18200	270	120000	1.00						
	6.3	15400	229	120000	1.15						
	7.2	13400	200	120000	1.35						
	8.5	11300	169	120000	1.60						
	5.0	20000	291	120000	0.90	R	167 R107	DV	160M4	860	167
	4.3	22800	335	120000	0.80						
	4.8	20500	303	120000	0.90						
	5.2	18900	279	120000	0.95						
	5.8	16800	247	22800	0.75						
	6.7	14500	214	56000	0.90	R	147 R87	DV	160M4	510	167
	7.6	12900	189	63000	1.00						
	9.1	10800	159	66600	1.20						
	5.1	20500	186.93*	120000	0.90						
	6.3	16700	153.07	120000	1.05						
	6.9	15300	139.98	120000	1.20	R	167	DV	160L6	730	165
	7.9	13300	121.81*	120000	1.35						
	6.3	16800	229.71	120000	1.05						
	7.7	13600	186.93*	120000	1.30						
	9.4	11200	153.07	120000	1.60						
	10	10200	139.98	120000	1.75	R	167	DV	160M4	700	165
	12	8890	121.81*	120000	2.0						
	13	7840	107.49	120000	2.3						
	15	6800	93.19	120000	2.7						
	17	6050	82.91*	120000	3.0						
	6.5	16100	146.91	35400	0.80	R	147	DV	160L6	480	163
	8.0	13100	119.86	62400	1.00						
	8.8	12000	109.31	64600	1.10						
	10	10400	94.60*	67300	1.25						
	12	9130	83.47	69000	1.40						

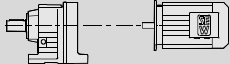


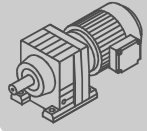
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
11.0	8.8	11900	163.31	64700	1.10	R RF	147 147	DV DV	160M4 160M4	445	163
	9.8	10700	146.91	66700	1.20					455	164
	12	8740	119.86	69400	1.50						
	13	7970	109.31	70300	1.65	R RF	147 147	DV DV	160M4 160M4	445 455	163 164
	15	6900	94.60*	71400	1.90						
	17	6090	83.47	72100	2.1						
	20	5260	72.09	72800	2.5						
	22	4890	66.99	73000	2.7						
	24	4460	61.09	73300	2.9						
	27	3860	52.87	73600	3.4						
	10	10300	141.12*	23300	0.80	R RF	137 137	DV DV	160M4 160M4	315 340	161 162
	11	9350	128.18	46900	0.85						
	13	8300	113.72	52700	0.95						
	14	7530	103.20*	54400	1.05						
	16	6470	88.70*	56300	1.25						
	18	5900	80.91*	57200	1.35						
	20	5360	73.49	57900	1.50						
	22	4760	65.20	58700	1.70						
	24	4320	59.17*	59200	1.85						
	28	3710	50.86*	59800	2.2						
	32	3240	44.39	60200	2.5						
	38	2750	37.65	60500	2.9						
	44	2400	32.91	60700	3.3						
	22	4790	65.60*	23700	0.90	R RF	107 107	DV DV	160M4 160M4	230 235	159 160
	24	4330	59.41	27600	1.00						
	27	3840	52.68	27100	1.10						
	30	3470	47.63	26600	1.25						
	36	2940	40.37*	25700	1.45						
	41	2570	35.26	25000	1.65						
	49	2150	29.49	24000	2.0						
	47	2240	30.77	24200	1.90	R RF	107 107	DV DV	160M4 160M4	225 230	159 160
	52	2010	27.58	23600	2.1						
	58	1820	24.90*	23100	2.4						
	64	1650	22.62	22500	2.6						
	72	1460	20.07	21800	2.9						
	79	1330	18.21	21300	3.2						
	34	3120	42.78	14500	0.95	R RF	97 97	DV DV	160M4 160M4	175 190	157 158
	39	2710	37.13	18900	1.10						
	43	2430	33.25	18600	1.20						
	52	2010	27.58	18000	1.35						
	58	1830	25.03	17700	1.55	R RF	97 97	DV DV	160M4 160M4	170 190	157 158
	64	1630	22.37	17300	1.65						
	71	1470	20.14	16900	1.80						
	79	1330	18.24	16600	1.90						
	89	1180	16.17	16100	2.0	R RF	97 97	DV DV	160M4 160M4	170 190	157 158
	98	1070	14.62	15700	2.2						
	116	900	12.39	15100	2.4						
	133	790	10.83	14600	2.7						
	155	675	9.29	14300	3.0						
	172	610	8.39	13900	3.3						
	202	520	7.12	13200	3.9						
	232	455	6.21	12700	4.2						
	67	1570	21.51	13200	0.95	R RF	87 87	DV DV	160M4 160M4	130 140	154 155
	75	1390	19.10	13000	1.05						
	84	1250	17.08*	12800	1.10						
	94	1120	15.35	12500	1.20	R RF	87 87	DV DV	160M4 160M4	130 140	154 155
	108	970	13.33	12200	1.30						
	121	870	11.93	11900	1.40						
	145	720	9.90*	11400	1.65						
	158	665	9.14*	11500	1.80						
	175	600	8.22	11200	1.95						
	202	520	7.13	10800	2.1						
	225	465	6.39	10400	2.2						
	272	385	5.30*	9910	2.4						

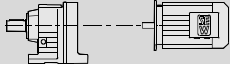


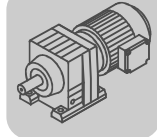
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
11.0	132	795	10.88	4250	0.85	R	77	DV	160M4	105	151
	149	705	9.64	5000	0.90	RF	77	DV	160M4	110	152
	186	565	7.74	4630	1.10	R RF	77 77	DV DV	160M4 160M4	105 110	151 152
	212	495	6.79	5250	1.15						
	240	435	5.99*	5720	1.25						
	271	390	5.31*	6090	1.30						
	277	380	5.19	9000	1.85	RX RXF	107 107	DV DV	160M4 160M4	170 185	128 129
	310	340	4.65	8770	2.1						
	343	305	4.20*	8560	2.7						
	377	280	3.81	8360	3.0						
	425	245	3.38	8100	3.4						
	469	225	3.07	7900	3.7						
	545	193	2.64*	7580	4.3						
	318	330	4.52	7150	1.80	RX RXF	97 97	DV DV	160M4 160M4	135 145	126 127
	356	295	4.04	6970	2.0						
	396	265	3.64*	6800	2.2						
	437	240	3.30	6640	2.5						
	493	215	2.92	6440	2.8						
	545	193	2.64	6280	3.1						
	643	163	2.24*	6000	3.6						
	736	143	1.96	5790	4.0						
	880	119	1.64	5500	4.2						
	1015	103	1.42	5280	4.4						
	414	255	3.48	5030	1.60	RX RXF	87 87	DV DV	160M4 160M4	110 115	124 125
	466	225	3.09	4910	1.80						
	522	200	2.76*	4790	2.0						
	580	181	2.48	4680	2.2						
	669	157	2.15	4530	2.5	RX RXF	87 87	DV DV	160M4 160M4	110 115	124 125
	747	141	1.93	4400	2.5						
	900	117	1.60*	4200	2.7						
	1035	102	1.39	4050	2.9						
	593	177	2.43	1890	1.20	RX RXF	77 77	DV DV	160M4 160M4	96 99	122 123
	676	155	2.13	2140	1.30						
	766	137	1.88*	2330	1.35						
	864	122	1.67	2460	1.40						
	1010	104	1.42	2580	1.50						
15.0	6.4	20800	229	120000	0.85	R	167 R107	DV	160L4	900	167
	7.3	18200	200	120000	1.00	RF	167 R107	DV	160L4	910	167
	8.6	15300	169	120000	1.20	R RF	167 R107 167 R107	DV DV	160L4 160L4	900 900	167 167
	6.4	20900	227	120000	0.85						
	7.4	18200	198	120000	1.00						
	6.3	22600	153.07	120000	0.80	R RF	167 167	DV DV	180L6 180L6	770 770	165 166
	6.9	20700	139.98	120000	0.85						
	8.0	18000	121.81*	120000	1.00						
	9.0	15900	107.49	120000	1.15						
	6.4	22500	229.71	120000	0.80						
	7.8	18300	186.93*	120000	1.00	R RF	167 167	DV DV	160L4 160L4	730 740	165 166
	9.5	15000	153.07	120000	1.20						
	10	13700	139.98	120000	1.30						
	12	12000	121.81*	120000	1.50						
	14	10500	107.49	120000	1.70						
	16	9140	93.19	120000	1.95						
	18	8130	82.91*	120000	2.2						
	20	7230	73.70*	120000	2.5						
	22	6610	67.40	120000	2.7						
	8.9	16100	109.31	34400	0.80	R RF	147 147	DV DV	180L6 180L6	520 530	163 164
	10	14000	94.60*	60600	0.95						
	12	12300	83.47	64000	1.05						
	13	10600	72.09	66800	1.20						
	14	9890	66.99	67900	1.30						

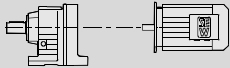


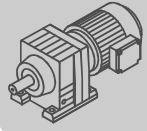
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
15.0	8.9	16000	163.31	36200	0.80	R RF	147 147	DV DV	160L4 160L4	480	163
	9.9	14400	146.91	57400	0.90					490	164
	12	11800	119.86	65000	1.10						
	13	10700	109.31	66700	1.20						
	15	9280	94.60*	68800	1.40	R RF	147 147	DV DV	160L4 160L4	480	163
	17	8190	83.47	70100	1.60					490	164
	20	7070	72.09	71300	1.85						
	22	6570	66.99	71700	2.0						
	24	5990	61.09	72200	2.2						
	28	5190	52.87	72800	2.5						
	31	4580	46.65	73200	2.8						
	14	10100	103.20*	30700	0.80	R RF	137 137	DV DV	160L4 160L4	355	161
	16	8700	88.70*	51000	0.90					380	162
	18	7940	80.91*	53500	1.00						
	20	7210	73.49	55000	1.10						
	22	6400	65.20	56400	1.25	R RF	137 137	DV DV	160L4 160L4	355	161
	25	5800	59.17*	57300	1.40					380	162
	29	4990	50.86*	58400	1.60						
	33	4360	44.39	59100	1.85						
	39	3690	37.65	59800	2.2						
	44	3230	32.91	60200	2.5						
	52	2730	27.83	60500	2.8						
	31	4670	47.63	24500	0.90	R RF	107 107	DV DV	160L4 160L4	270	159
	36	3960	40.37*	23900	1.10					275	160
	41	3460	35.26	23400	1.25						
	50	2890	29.49	22600	1.50						
	47	3020	30.77	22800	1.40	R RF	107 107	DV DV	160L4 160L4	265	159
	53	2710	27.58	22400	1.60					270	160
	59	2440	24.90*	21900	1.75						
	65	2220	22.62	21400	1.95						
	73	1970	20.07	20900	2.2						
	80	1790	18.21	20400	2.4						
	93	1540	15.65	19700	2.8						
	107	1340	13.66	19000	3.2						
	53	2710	27.58	16500	1.00					215	157
	58	2460	25.03	16300	1.15	R RF	97 97	DV DV	160L4 160L4	230	158
	65	2200	22.37	16100	1.25						
	72	1980	20.14	15800	1.30						
	80	1790	18.24	15600	1.40						
	90	1590	16.17	15200	1.50						
	100	1430	14.62	14900	1.60					210	157
	118	1220	12.39	14400	1.80					230	158
	135	1060	10.83	14000	1.95						
	157	910	9.29	13800	2.2						
	174	820	8.39	13400	2.5						
	205	700	7.12	12800	2.9						
	235	610	6.21	12400	3.1						
	85	1680	17.08*	11600	0.85	R RF	87 87	DV DV	160L4 160L4	170	154
	95	1510	15.35	11500	0.90					175	155
	110	1310	13.33	11300	1.00						
	122	1170	11.93	11100	1.05						
	147	970	9.90*	10700	1.20	R RF	87 87	DV DV	160L4 160L4	170	154
	160	900	9.14*	11000	1.35					175	155
	178	810	8.22	10700	1.45						
	205	700	7.13	10300	1.55						
	229	625	6.39	10100	1.65						
	275	520	5.30*	9600	1.75						

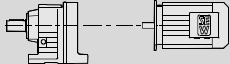


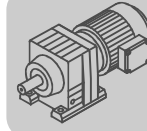
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
15.0	281	510	5.19	8440	1.35	RX	107	DV	160L4	210	128
	314	455	4.65	8260	1.50					225	129
	348	410	4.20*	8100	2.0						
	383	375	3.81	7930	2.2						
	431	330	3.38	7720	2.5	RX	107	DV	160L4	210	128
	475	300	3.07	7540	2.8					225	129
	553	260	2.64*	7260	3.2						
	634	225	2.30	7010	3.7						
	747	192	1.95	6710	4.0	RX	107	DV	160L4	210	128
	855	168	1.71	6470	4.2					225	129
	1010	142	1.44	6170	4.6						
	323	445	4.52	6660	1.35	RX	97	DV	160L4	180	126
	361	395	4.04	6530	1.50					185	127
	401	355	3.64*	6400	1.65						
	443	325	3.30	6270	1.85						
	499	285	2.92	6110	2.1	RX	97	DV	160L4	180	126
	552	260	2.64	5970	2.3					185	127
	652	220	2.24*	5730	2.7						
	746	192	1.96	5550	3.0						
	892	161	1.64	5290	3.2	RX	87	DV	160L4	150	124
	1030	139	1.42	5090	3.3					155	125
	420	340	3.48	4260	1.20						
	473	305	3.09	4510	1.35						
	529	270	2.76*	4430	1.50	RX	87	DV	160L4	150	124
	588	245	2.48	4350	1.65					155	125
	678	210	2.15	4230	1.80						
	757	189	1.93	4130	1.90						
	913	157	1.60*	3960	2.0	RX	87	DV	160L4	150	124
	1050	137	1.39	3840	2.1					155	125
	7.8	22500	186.93*	120000	0.80	R	167	DV	180M4	750	165
	9.6	18500	153.07	120000	1.00					760	166
	10	16900	139.98	120000	1.05						
	12	14700	121.81*	120000	1.25						
	14	13000	107.49	120000	1.40	R	167	DV	180M4	750	165
	16	11200	93.19	120000	1.60					760	166
	18	10000	82.91*	120000	1.80						
	20	8890	73.70*	120000	2.0						
	22	8130	67.40	120000	2.2	R	167	DV	180M4	500	163
	25	7070	58.65	120000	2.6					510	164
	12	14500	119.86	56900	0.90						
	13	13200	109.31	62300	1.00						
	15	11400	94.60*	65600	1.15	R	147	DV	180M4	500	163
	18	10100	83.47	67700	1.30					510	164
	20	8690	72.09	69500	1.50						
	22	8080	66.99	70200	1.60						
	24	7370	61.09	71000	1.75	R	147	DV	180M4	375	161
	28	6380	52.87	71900	2.0					400	162
	31	5630	46.65	72500	2.3						
	36	4860	40.29	73000	2.7						
	18	9760	80.91*	39000	0.80	R	137	DV	180M4	375	161
	20	8860	73.49	50200	0.90					400	162
	22	7860	65.20	53700	1.00						
	25	7140	59.17*	55100	1.10						
	29	6130	50.86*	56800	1.30	R	137	DV	180M4	375	161
	33	5350	44.39	58000	1.50					400	162
	39	4540	37.65	58900	1.75						
	45	3970	32.91	59500	2.0						
	53	3360	27.83	60100	2.3	R	137	DV	180M4	365	161
	50	3570	29.57*	59900	2.2					390	162
	61	2910	24.12	60400	2.8						
	67	2650	22.00*	60600	3.0						
	77	2300	19.04*	60800	3.5	R	107	DV	180M4	295	159
	87	2030	16.80*	60900	4.0					300	160
	36	4870	40.37*	20200	0.90						
	42	4250	35.26	22000	1.00						
	50	3560	29.49	21500	1.20						

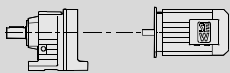


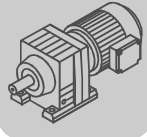
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
18.5	59	3000	24.90*	20900	1.45	R RF	107 107	DV DV	180M4 180M4	285	159
	65	2730	22.62	20600	1.60					290	160
	73	2420	20.07	20100	1.80						
	80	2200	18.21	19700	1.95						
	94	1890	15.65	19100	2.3						
	107	1650	13.66	18500	2.6						
	126	1400	11.59	17800	3.1						
	145	1220	10.13	17200	3.5						
	186	950	7.86	16300	3.1						
	220	800	6.66	15600	3.7						
	73	2430	20.14	14900	1.05	R RF	97 97	DV DV	180M4 180M4	235	157
	80	2200	18.24	14700	1.15					250	158
	91	1950	16.17	14500	1.25						
	100	1760	14.62	14200	1.30						
	118	1490	12.39	13800	1.45						
	135	1310	10.83	13500	1.60						
	158	1120	9.29	13400	1.80						
	175	1010	8.39	13100	2.0						
	206	860	7.12	12600	2.3						
	236	750	6.21	12100	2.5						
	282	625	5.20	11600	2.8						
	326	545	4.50*	11100	3.0						
	110	1610	13.33	10600	0.80	R RF	87 87	DV DV	180M4 180M4	190	154
	123	1440	11.93	10400	0.85					200	155
	148	1190	9.90*	10200	1.00						
	160	1100	9.14*	10600	1.10						
	178	990	8.22	10300	1.15						
	205	860	7.13	10000	1.25						
	229	770	6.39	9770	1.30						
	276	640	5.30*	9350	1.40						
	349	505	4.20*	7710	1.65	RX RXF	107 107	DV DV	180M4 180M4	230	128
	384	460	3.81	7580	1.80					250	129
	433	410	3.38	7400	2.0						
	477	370	3.07	7250	2.2						
	555	320	2.64*	7010	2.6	RX RXF	107 107	DV DV	180M4 180M4	230	128
	636	280	2.30	6780	3.0					250	129
	750	235	1.95	6510	3.3						
	858	205	1.71	6290	3.4						
	1015	174	1.44	6020	3.7						
	402	440	3.64*	6060	1.35	RX RXF	97 97	DV DV	180M4 180M4	200	126
	444	400	3.30	5960	1.50					210	127
	501	355	2.92	5830	1.70						
	554	320	2.64	5710	1.85						
	654	270	2.24*	5510	2.2						
	749	235	1.96	5350	2.4						
	895	197	1.64	5120	2.6						
	1035	171	1.42	4940	2.7						
	531	335	2.76*	3040	1.20	RX RXF	87 87	DV DV	180M4 180M4	175	124
	590	300	2.48	3340	1.35					180	125
	680	260	2.15	3630	1.50						
	760	235	1.93	3820	1.55						
	916	193	1.60*	3770	1.65						
	1055	168	1.39	3670	1.75						
22	9.6	22000	153.07	120000	0.80	R RF	167 167	DV DV	180L4 180L4	770	165
	10	20100	139.98	120000	0.90					770	166
	12	17500	121.81*	120000	1.05						
	14	15400	107.49	120000	1.15	R RF	167 167	DV DV	180L4 180L4		
	16	13400	93.19	120000	1.35						
	18	11900	82.91*	120000	1.50						
	20	10600	73.70*	120000	1.70					770	165
	22	9670	67.40	120000	1.85					770	166
	25	8410	58.65	120000	2.1						
	28	7420	51.76	120000	2.4						
	33	6430	44.87	120000	2.8						



P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
22	13	15700	109.31	41300	0.85	R RF	147 147	DV DV	180L4 180L4	520	163
	15	13600	94.60*	61500	0.95					530	164
	18	12000	83.47	64600	1.10						
	20	10300	72.09	67300	1.25						
	22	9610	66.99	68300	1.35	R RF	147 147	DV DV	180L4 180L4	520	163
	24	8760	61.09	69400	1.50					530	164
	28	7580	52.87	70800	1.70						
	31	6690	46.65	71600	1.95						
	36	5780	40.29	72400	2.3	R RF	137 137	DV DV	180L4 180L4	390	161
	41	5110	35.64	72900	2.5					415	162
	49	4300	29.95	73400	3.0						
	22	9350	65.20	46900	0.85	R RF	137 137	DV DV	180L4 180L4	390	161
	25	8480	59.17*	51900	0.95					415	162
	29	7290	50.86*	54800	1.10						
	33	6370	44.39	56500	1.25						
	39	5400	37.65	57900	1.50	R RF	137 137	DV DV	180L4 180L4	390	161
	45	4720	32.91	58700	1.70					415	162
	53	3990	27.83	59500	1.90						
	50	4240	29.57*	59300	1.85	R RF	137 137	DV DV	180L4 180L4	380	161
	61	3460	24.12	60000	2.3					405	162
	67	3150	22.00*	60200	2.5						
	77	2730	19.04*	60500	2.9						
	87	2410	16.80*	60700	3.3	R RF	137 137	DV DV	180L4 180L4	380	161
	101	2080	14.51	60900	3.9					405	162
	114	1840	12.83	61000	4.4						
	42	5060	35.26	7280	0.85	R RF	107 107	DV DV	180L4 180L4	305	159
	50	4230	29.49	20400	1.00					315	160
	59	3570	24.90*	20000	1.20						
	65	3240	22.62	19700	1.35					300	159
	73	2880	20.07	19300	1.50	R RF	107 107	DV DV	180L4 180L4	305	160
	80	2610	18.21	19000	1.65						
	94	2240	15.65	18500	1.90						
	107	1960	13.66	18000	2.2						
	126	1660	11.59	17300	2.6	R RF	107 107	DV DV	180L4 180L4	300	159
	145	1450	10.13	16800	3.0					305	160
	171	1230	8.56	16100	3.5						
	186	1130	7.86	16100	2.6						
	220	960	6.66	15400	3.1	R RF	97 97	DV DV	180L4 180L4	245	157
	252	840	5.82	14800	3.6					265	158
	73	2890	20.14	14000	0.90						
	80	2620	18.24	13900	0.95						
	91	2320	16.17	13700	1.05	R RF	97 97	DV DV	180L4 180L4	245	157
	100	2100	14.62	13600	1.10					265	158
	118	1780	12.39	13200	1.25						
	135	1550	10.83	13000	1.35	R RF	97 97	DV DV	180L4 180L4	245	157
	158	1330	9.29	13100	1.50					265	158
	175	1200	8.39	12800	1.70						
	206	1020	7.12	12300	1.95						
	236	890	6.21	11900	2.1	R RF	87 87	DV DV	180L4 180L4	205	154
	282	745	5.20	11400	2.4					215	155
	326	645	4.50*	10900	2.5						
	148	1420	9.90*	9640	0.85						
	160	1310	9.14*	10100	0.90	R RF	87 87	DV DV	180L4 180L4	205	154
	178	1180	8.22	9960	1.00					215	155
	205	1020	7.13	9700	1.05						
	229	920	6.39	9490	1.10						
	276	760	5.30*	9110	1.20	RX RXF	107 107	DV DV	180L4 180L4	245	128
	349	600	4.20*	7330	1.40					260	129
	384	545	3.81	7230	1.50						
	433	485	3.38	7090	1.70						
	477	440	3.07	6960	1.90	RX RXF	107 107	DV DV	180L4 180L4	245	128
	555	380	2.64*	6760	2.2					260	129
	636	330	2.30	6560	2.5						
	750	280	1.95	6320	2.7						
	858	245	1.71	6120	2.9	RX RXF	107 107	DV DV	180L4 180L4	245	128
	1015	205	1.44	5870	3.1					260	129

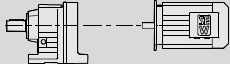


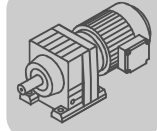
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
22	402	520	3.64*	5720	1.15	RX RXF	97 97	DV DV	180L4 180L4	215	126
	444	475	3.30	5650	1.25					220	127
	501	420	2.92	5560	1.40						
	554	380	2.64	5460	1.55						
	654	320	2.24*	5300	1.85						
	749	280	1.96	5160	2.0						
	895	235	1.64	4960	2.2						
	1035	205	1.42	4790	2.2						
	531	395	2.76*	1270	1.00	RX RXF	87 87	DV DV	180L4 180L4	190	124
	590	355	2.48	1710	1.15					195	125
	680	310	2.15	2160	1.25						
	760	275	1.93	2450	1.30						
	916	230	1.60*	2750	1.35						
	1055	200	1.39	3030	1.45						
30	14	20900	107.49	120000	0.85	R RF	167 167	DV DV	200L4 200L4	850	165
	16	18200	93.19	120000	1.00					860	166
	18	16200	82.91*	120000	1.10						
	20	14400	73.70*	120000	1.25	R RF	167 167	DV DV	200L4 200L4	850	165
	22	13100	67.40	120000	1.35					860	166
	25	11400	58.65	120000	1.55						
	28	10100	51.76	120000	1.80						
	33	8740	44.87	120000	2.1						
	37	7780	39.92	120000	2.3						
	43	6710	34.41	120000	2.7						
	53	5450	27.96	120000	3.3						
	62	4620	23.71	120000	3.9						
	18	16300	83.47	32400	0.80	R RF	147 147	DV DV	200L4 200L4	600	163
	20	14000	72.09	60400	0.95					610	164
	22	13100	66.99	62500	1.00						
	24	11900	61.09	64700	1.10						
	28	10300	52.87	67300	1.25	R RF	147 147	DV DV	200L4 200L4	600	163
	32	9090	46.65	69000	1.45					610	164
	36	7850	40.29	70500	1.65						
	41	6950	35.64	71400	1.85						
	49	5840	29.95	72300	2.2						
	61	4710	24.19	73100	2.5						
	72	3980	20.44	73600	3.0	R RF	147 147	DV DV	200L4 200L4	590	163
	82	3510	18.04	73800	3.0					600	164
	94	3050	15.64	74000	4.3						
	29	9910	50.86*	35800	0.80	R RF	137 137	DV DV	200L4 200L4	475	161
	33	8650	44.39	51200	0.90					500	162
	39	7340	37.65	54700	1.10						
	45	6410	32.91	56400	1.25						
	53	5420	27.83	57900	1.40						
	61	4700	24.12	58800	1.70	R RF	137 137	DV DV	200L4 200L4	465	161
	67	4290	22.00*	59200	1.85					490	162
	77	3710	19.04*	59800	2.2						
	88	3270	16.80*	60100	2.4						
	101	2830	14.51	59500	2.8	R RF	137 137	DV DV	200L4 200L4	465	161
	115	2500	12.83	58400	3.2					490	162
	136	2100	10.79	56600	3.8						
	194	1480	7.59	53300	3.5						
	230	1240	6.38	51300	4.1	R RF	107 107	DV DV	200L4 200L4	385	159
	73	3910	20.07	17600	1.10					390	160
	81	3550	18.21	17400	1.20						
	94	3050	15.65	17100	1.40						
	108	2660	13.66	16800	1.60						
	127	2260	11.59	16300	1.90						
	145	1970	10.13	15900	2.2						
	172	1670	8.56	15400	2.6						
	187	1530	7.86	15500	1.95						
	221	1300	6.66	14900	2.3						
	252	1140	5.82	14400	2.6						
	299	960	4.92	13700	3.0						

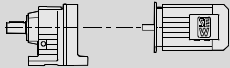


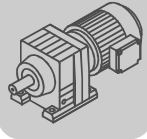
Helical Gearmotors

Selection tables [kW]

P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
30	101	2850	14.62	12000	0.80	R RF	97 97	DV DV	200L4 200L4	330 345	157 158
	119	2420	12.39	11900	0.90						
	136	2110	10.83	11800	1.00						
	158	1810	9.29	12300	1.10						
	175	1640	8.39	12100	1.25						
	207	1390	7.12	11700	1.45	R RF	97 97	DV DV	200L4 200L4	330 345	157 158
	237	1210	6.21	11400	1.55						
	283	1010	5.20	10900	1.75						
	327	880	4.50*	10500	1.85						
	434	660	3.38	6370	1.25	RX RXF	107 107	DV DV	200L4 200L4	330 345	128 129
	479	600	3.07	6310	1.40						
	557	515	2.64*	6180	1.60						
	638	450	2.30	6050	1.85						
	752	380	1.95	5870	2.0						
	860	335	1.71	5720	2.1	RX RXF	97 97	DV DV	200L4 200L4	295 305	126 127
	1020	280	1.44	5520	2.3						
	503	570	2.92	3120	1.05						
	556	515	2.64	3560	1.15						
	656	435	2.24*	4050	1.35						
37	751	380	1.96	4450	1.50	R RF	167 167	DV DV	225S4 225S4	900 900	165 166
	898	320	1.64	4580	1.60						
	1040	275	1.42	4450	1.65						
	16	22400	93.19	120000	0.80	R RF	167 167	DV DV	225S4 225S4	900 900	165 166
	18	19900	82.91*	120000	0.90						
	20	17700	73.70*	120000	1.00						
	22	16200	67.40	120000	1.10						
	25	14100	58.65	120000	1.30	R RF	167 167	DV DV	225S4 225S4	890 900	165 166
	28	12400	51.76	120000	1.45						
	33	10800	44.87	120000	1.65						
	37	9600	39.92	120000	1.90						
	43	8270	34.41	120000	2.2	R RF	147 147	DV DV	225S4 225S4	650 660	163 164
	53	6720	27.96	120000	2.7						
	48	7380	30.71	120000	1.35						
	60	5900	24.57	120000	2.4						
	67	5250	21.85	120000	2.5	R RF	147 147	DV DV	225S4 225S4	650 660	163 164
	77	4580	19.03	120000	3.5						
	87	4080	16.98	120000	3.7						
	22	16100	66.99	35000	0.80	R RF	147 147	DV DV	225S4 225S4	640 650	163 164
	24	14700	61.09	54200	0.90						
	28	12700	52.87	63200	1.00						
	32	11200	46.65	65900	1.15						
	36	9680	40.29	68200	1.35	R RF	137 137	DV DV	225S4 225S4	510 540	161 162
	41	8570	35.64	69700	1.50						
	49	7200	29.95	71100	1.80						
	61	5810	24.19	72400	2.1						
	72	4910	20.44	73000	2.4	R RF	137 137	DV DV	225S4 225S4	510 540	161 162
	82	4340	18.04	73400	2.4						
	94	3760	15.64	73700	3.5						
	106	3340	13.91	73900	3.8	R RF	137 137	DV DV	225S4 225S4	510 540	161 162
	39	9050	37.65	49400	0.90						
	45	7910	32.91	53600	1.00						
	53	6690	27.83	55900	1.15						
	61	5800	24.12	57300	1.40	R RF	137 137	DV DV	225S4 225S4	510 540	161 162
	67	5290	22.00*	58000	1.50						
	77	4580	19.04*	57800	1.75						
	88	4040	16.80*	57300	2.0						
	101	3490	14.51	56600	2.3	R RF	137 137	DV DV	225S4 225S4	510 540	161 162
	115	3080	12.83	55800	2.6						
	136	2590	10.79	54400	3.1						
	169	2090	8.71	52600	3.7						
	194	1820	7.59	51900	2.8						
	230	1530	6.38	50100	3.3	R RF	137 137	DV DV	225S4 225S4	510 540	161 162
	285	1240	5.15	47800	3.7						

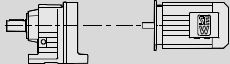


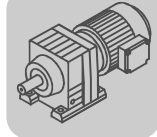
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
37	73	4820	20.07	16100	0.90	R RF	107 107	DV DV	225S4 225S4	435	159
	81	4380	18.21	16100	1.00					440	160
	94	3760	15.65	15900	1.15						
	108	3280	13.66	15700	1.30						
	127	2790	11.59	15400	1.55						
	145	2430	10.13	15100	1.75						
	172	2060	8.56	14700	2.1						
	187	1890	7.86	15000	1.55						
	221	1600	6.66	14400	1.85						
	252	1400	5.82	14000	2.1						
	299	1180	4.92	13400	2.5						
	434	810	3.38	4470	1.00	RX RXF	107 107	DV DV	225S4 225S4	380	128
	479	740	3.07	4950	1.10					395	129
	557	635	2.64*	5530	1.30						
	638	555	2.30	5610	1.50						
	752	470	1.95	5490	1.65						
	860	410	1.71	5370	1.70						
	1020	345	1.44	5220	1.85						
45	20	21500	73.70*	120000	0.85	R RF	167 167	DV DV	225M4 225M4	930	165
	22	19700	67.40	120000	0.90					930	166
	25	17100	58.65	120000	1.05						
	28	15100	51.76	120000	1.20						
	33	13100	44.87	120000	1.35	R RF	167 167	DV DV	225M4 225M4	930	165
	37	11700	39.92	120000	1.55					930	166
	43	10100	34.41	120000	1.80						
	53	8170	27.96	120000	2.2						
	62	6930	23.71	120000	2.6	R RF	167 167	DV DV	225M4 225M4	920	165
	48	8980	30.71	120000	1.10					930	166
	60	7180	24.57	120000	1.95						
	67	6390	21.85	120000	2.0						
	77	5560	19.03	120000	2.9						
	87	4960	16.98	120000	3.0	R RF	147 147	DV DV	225M4 225M4	680	163
	28	15500	52.87	44400	0.85					690	164
	32	13600	46.65	61300	0.95						
	36	11800	40.29	65000	1.10						
	41	10400	35.64	67200	1.25						
	49	8760	29.95	69400	1.50						
	61	7070	24.19	71300	1.70	R RF	147 147	DV DV	225M4 225M4	670	163
	72	5970	20.44	72200	2.0					680	164
	82	5270	18.04	72800	2.0						
	94	4570	15.64	73200	2.8						
	106	4070	13.91	73500	3.1						
	123	3510	11.99	73800	3.7						
	203	2120	7.25	74300	4.1	R RF	137 137	DV DV	225M4 225M4	550	161
	45	9620	32.91	41700	0.85					580	162
	53	8130	27.83	51200	0.95	R RF	137 137	DV DV	225M4 225M4	540	161
	61	7050	24.12	52400	1.15					570	162
	67	6430	22.00*	52900	1.25						
	77	5570	19.04*	53300	1.45						
	88	4910	16.80*	53400	1.65	R RF	137 137	DV DV	225M4 225M4	540	161
	101	4240	14.51	53200	1.90					570	162
	115	3750	12.83	52800	2.1						
	136	3150	10.79	51900	2.5						
	169	2550	8.71	50500	3.1						
	194	2220	7.59	50200	2.3						
	230	1860	6.38	48700	2.7						
	285	1510	5.15	46700	3.1						
	94	4580	15.65	14600	0.95	R RF	107 107	DV DV	225M4 225M4	460	159
	108	3990	13.66	14600	1.10					465	160
	127	3390	11.59	14400	1.25						
	145	2960	10.13	14300	1.45						
	172	2500	8.56	14000	1.70						
	187	2300	7.86	14400	1.30						
	221	1950	6.66	14000	1.50						
	252	1700	5.82	13600	1.75						
	299	1440	4.92	13100	2.0						

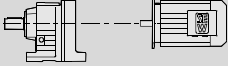


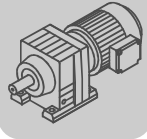
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Selection tables [kW]

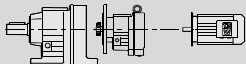
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
45	434	990	3.38	1360	0.85	RX	107	DV	225M4	405	128
	479	900	3.07	2080	0.90						
	557	770	2.64*	2970	1.10						
	638	675	2.30	3640	1.25						
	752	570	1.95	4200	1.35						
	860	500	1.71	4540	1.40						
	1020	420	1.44	4880	1.55						
55	25	20900	58.65	120000	0.85	R	167	DV	250M4	1060	165
	29	18400	51.76	120000	1.00						
	33	16000	44.87	120000	1.15						
	37	14200	39.92	120000	1.25						
	43	12300	34.41	120000	1.45						
	53	9960	27.96	120000	1.80						
	62	8440	23.71	120000	2.1						
	60	8750	24.57	120000	1.60	R	167	DV	250M4	1050	165
	68	7780	21.85	120000	1.65						
	77	6780	19.03	120000	2.4						
	87	6050	16.98	120000	2.5	R	167	DV	250M4	1050	165
	102	5150	14.48	120000	3.5						
	123	4270	11.99	120000	4.0						
	32	16600	46.65	26600	0.80	R	147	DV	250M4	800	163
	37	14300	40.29	58200	0.90						
	41	12700	35.64	63300	1.00						
	49	10700	29.95	66800	1.20						
	61	8610	24.19	69600	1.40						
	72	7280	20.44	71100	1.65	R	147	DV	250M4	790	163
	82	6420	18.04	71900	1.65						
	94	5570	15.64	72500	2.3						
	106	4950	13.91	73000	2.5						
	123	4270	11.99	73400	3.0	R	147	DV	250M4	790	163
	151	3470	9.74	73800	3.8						
	203	2580	7.25	74200	3.4						
	250	2100	5.89	72500	4.1						
	77	6780	19.04*	47800	1.20	R	137	DV	250M4	660	161
	88	5980	16.80*	48500	1.35						
	102	5170	14.51	48900	1.55						
	115	4570	12.83	49000	1.75	R	137	DV	250M4	660	161
	137	3840	10.79	48800	2.1						
	169	3100	8.71	48000	2.5						
	194	2700	7.59	48100	1.90						
	231	2270	6.38	46900	2.3						
	286	1830	5.15	45200	2.5						
75	33	21700	44.87	120000	0.85	R	167	DV	280S4	1190	165
	37	19300	39.92	120000	0.95						
	43	16700	34.41	120000	1.10						
	53	13500	27.96	120000	1.35						
	62	11500	23.71	120000	1.55						
	60	11900	24.57	120000	1.20	R	167	DV	280S4	1180	165
	68	10600	21.85	120000	1.25						
	78	9210	19.03	120000	1.75						
	87	8220	16.98	120000	1.85	R	167	DV	280S4	1180	165
	102	7000	14.48	120000	2.6						
	123	5800	11.99	116600	2.9						
	145	4950	10.24	112800	3.4						
	49	14500	29.95	56500	0.90	R	147	DV	280S4	940	163
	61	11700	24.19	65100	1.00						

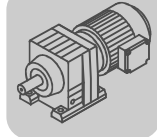


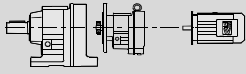
P_m [kW]	n_a [1/min]	M_a [Nm]	i	$F_{Ra}^{1)}$ [N]	SEW f_B					m [kg]	
75	72	9890	20.44	67900	1.20	R RF	147 147	DV DV	280S4 280S4	930	163
	82	8730	18.04	69500	1.20					940	164
	95	7570	15.64	70800	1.70						
	106	6730	13.91	71600	1.85						
	123	5800	11.99	72400	2.2	R RF	147 147	DV DV	280S4 280S4	930	163
	152	4710	9.74	73100	2.8					940	164
	179	4000	8.26	73500	3.3						
	204	3510	7.25	73100	2.5						
	251	2850	5.89	70100	3.0						
	296	2420	5.00	67600	3.6						
90	37	23200	39.92	120000	0.80	R RF	167 167	DV DV	280M4 280M4	1190	165
	43	20000	34.41	120000	0.90					1200	166
	53	16200	27.96	120000	1.10						
	62	13800	23.71	120000	1.30						
	78	11100	19.03	120000	1.45	R RF	167 167	DV DV	280M4 280M4	1180	165
										1190	166
	87	9860	16.98	120000	1.50	R RF	167 167	DV DV	280M4 280M4	1180	165
	102	8410	14.48	117300	2.1					1190	166
	123	6960	11.99	113500	2.4						
	145	5940	10.24	110100	2.9						
	95	9080	15.64	69000	1.45	R RF	147 147	DV DV	280M4 280M4	930	163
	106	8080	13.91	70200	1.55					940	164
	123	6960	11.99	71400	1.85	R RF	147 147	DV DV	280M4 280M4	930	163
	152	5660	9.74	72500	2.3					940	164
	179	4800	8.26	73000	2.7						
	204	4210	7.25	70900	2.1						
	251	3420	5.89	68300	2.5						
	296	2900	5.00	66100	3.0						
110	53	19800	27.96	117100	0.90	R RF	167 167	D D	315S4 315S4	1500	165
	63	16800	23.71	116900	1.05					1510	166
	78	13500	19.03	115500	1.20	R RF	167 167	D D	315S4 315S4	1500	165
	87	12000	16.98	114300	1.25					1500	166
	103	10200	14.48	112200	1.75						
	124	8480	11.99	109300	2.0						
	145	7240	10.24	106500	2.4						
132	63	20100	23.71	107900	0.90	R RF	167 167	D D	315M4 315M4	1600	165
										1600	166
	78	16200	19.03	108300	1.00	R RF	167 167	D D	315M4 315M4	1590	165
	87	14400	16.98	107800	1.05					1600	166
	103	12300	14.48	106700	1.45						
	124	10200	11.99	104700	1.65						
	145	8690	10.24	102600	1.95						
160	103	14900	14.48	99700	1.20	R RF	167 167	D D	315M4A 315M4A	1750	165
	124	12300	11.99	98900	1.40					1760	166
	145	10500	10.24	97600	1.60						

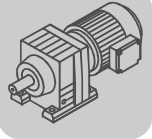


3.4 Selection tables for particularly low output speeds [Nm]

$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
130	0.16	8612	4230	R RF	27 R17 27 R17	DR DR	63S4 63S4	12 11	167 167
	0.19	7425	4230						
	0.20	6921	4230						
	0.23	6050	4230						
	0.26	5217	4230						
	0.30	4661	4230						
	0.34	4073	4230						
	0.39	3516	4230						
	0.44	3160	4230						
	0.50	2763	4230						
	0.57	2414	4230						
	0.65	2110	4230						
	0.76	1822	4230	R RF	27 R17 27 R17	DR DR	63S4 63S4	11 11	167 167
	0.87	1580	4230						
	0.94	1464	4230						
	1.1	1270	4230						
	1.2	1100	4230						
	1.4	972	4230						
	1.6	840	4230						
	1.9	741	4230						
	2.1	654	4230						
	2.4	566	4230						
	2.8	499	4230						
	3.1	440	4230	R RF	27 R17 27 R17	DR DR	63S4 63S4	11 11	167 167
	3.6	381	4230						
	4.2	329	4230						
	4.8	290	4230						
	5.4	256	4230						
	6.1	227	4230						
	6.8	203	4230						
	7.4	179	4230	R RF	27 R17 27 R17	DR DR	63M4 63M4	11 11	167 167
	8.5	156	4230						
	9.8	135	4230						
	11	118	4230						
	12	104	4230	R RF	27 R17 27 R17	DR DR	63L4 63L4	12 12	167 167
	14	90	4230						
200	0.16	8595	4950	R RF	37 R17 37 R17	DR DR	63S4 63S4	17 19	167 167
	0.19	7411	4950						
	0.20	6907	4950						
	0.23	6038	4950						
	0.27	5206	4950						
	0.30	4651	4950						
	0.34	4065	4950						
	0.38	3658	4950						
	0.44	3154	4950						
	0.50	2757	4950						
	0.57	2409	4950						
	0.66	2106	4950						
	0.76	1818	4950	R RF	37 R17 37 R17	DR DR	63S4 63S4	17 19	167 167
	0.88	1576	4950						
	1.0	1359	4950						
	1.1	1267	4950						
	1.3	1098	4950						
	1.4	970	4950						
	1.7	839	4950						
	1.9	740	4950						
	2.1	653	4950						
	2.4	577	4950						
	2.8	498	4950						
	3.1	439	4950	R RF	37 R17 37 R17	DR DR	63S4 63S4	17 18	167 167
	3.6	378	4950						
	4.2	328	4950						

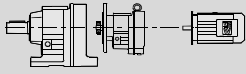


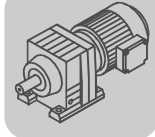
$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
200	4.6	289	4950						
	5.0	265	4950	R	37 R17	DR	63M4	17	167
	5.8	226	4950	RF	37 R17	DR	63M4	18	167
	6.5	202	4950						
	7.3	179	4950						
	8.3	156	4950	R	37 R17	DR	63L4	18	167
	9.7	135	4950	RF	37 R17	DR	63L4	19	167
	10	127	4950						
	13	104	4950	R	37 R17	DT	71D4	18	167
	15	90	4950	RF	37 R17	DT	71D4	20	167
300	0.10	13598	5420						
	0.11	12472	5420						
	0.13	10619	5420						
	0.15	9155	5420						
	0.16	8534	5420						
	0.18	7460	5420						
	0.20	6993	5420						
	0.22	6171	5420	R	47 R37	DR	63S4	29	167
	0.25	5624	5420	RF	47 R37	DR	63S4	29	167
	0.28	4849	5420						
	0.31	4520	5420						
	0.35	3951	5420						
	0.37	3704	5420						
	0.42	3268	5420						
	0.48	2898	5420						
	0.56	2463	5420						
	0.53	2598	5420						
	0.58	2383	5420						
	0.68	2029	5420						
	0.79	1749	5420						
	0.85	1630	5420						
	0.97	1425	5420	R	47 R37	DR	63S4	29	167
	1.0	1336	5420	RF	47 R37	DR	63S4	29	167
	1.2	1179	5420						
	1.3	1074	5420						
	1.5	927	5420						
	1.6	863	5420						
	1.8	755	5420						
	2.5	546	5420	R	47 R37	DR	63S4	28	167
	2.8	502	5420	RF	47 R37	DR	63S4	28	167
	3.1	429	5420						
	3.6	372	5420	R	47 R37	DR	63M4	28	167
	3.8	348	5420	RF	47 R37	DR	63M4	28	167
	4.4	301	5420						
	5.1	255	5420	R	47 R37	DR	63L4	29	167
	5.7	228	5420	RF	47 R37	DR	63L4	29	167
450	0.10	14369	7110						
	0.11	12095	7110						
	0.13	10860	7110						
	0.15	9445	7110						
	0.16	8480	7110						
	0.19	7312	7110						
	0.21	6521	7110						
	0.25	5585	7110	R	57 R37	DR	63S4	34	167
	0.28	4928	7110	RF	57 R37	DR	63S4	38	167
	0.32	4378	7110						
	0.36	3873	7110						
	0.41	3344	7110						
	0.47	2907	7110						
	0.54	2567	7110						
	0.61	2244	7110						
	0.70	1967	7110						

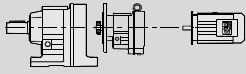


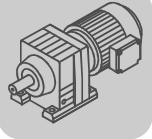
Helical Gearmotors

Selection tables for particularly low output speeds [Nm]

$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
450	0.80	1732	7110	R RF	57 R37 57 R37	DR DR	63S4 63S4	34 38	167 167
	0.89	1555	7110						
	0.99	1399	7110						
	1.2	1189	7110						
	1.3	1034	7110						
	1.8	782	7110						
	1.9	678	7110	R RF	57 R37 57 R37	DR DR	63M4 63M4	34 38	167 167
	2.2	604	7110						
	2.5	537	7110						
	2.8	471	7110						
	3.6	357	7110	R RF	57 R37 57 R37	DR DR	63L4 63L4	35 38	167 167
	4.1	319	7110						
	5.1	273	7110	R RF	57 R37 57 R37	DT DT	71D4 71D4	36 39	167 167
	5.7	241	7110						
600	0.09	15361	7560	R RF	67 R37 67 R37	DR DR	63S4 63S4	41 44	167 167
	0.11	12931	7560						
	0.12	11996	7560						
	0.14	10097	7560						
	0.15	9066	7560						
	0.18	7816	7560						
	0.20	6732	7560						
	0.23	5970	7560						
	0.26	5268	7560						
	0.29	4680	7560						
	0.33	4136	7560						
	0.39	3566	7560						
	0.44	3125	7560						
	0.50	2745	7560						
	0.57	2403	7560						
	0.51	2682	7560	R RF	67 R37 67 R37	DR DR	63S4 63S4	40 43	167 167
	0.56	2460	7560						
	0.66	2094	7560						
	0.76	1805	7560						
	0.85	1629	7560						
	0.94	1471	7560						
	1.0	1379	7560						
	1.8	730	7560	R RF	67 R37 67 R37	DR DR	63M4 63M4	40 43	167 167
	2.3	571	7560						
	2.7	486	7560						
	0.84	1652	7560	R RF	67 R37 67 R37	DR DR	63L4 63L4	41 44	167 167
	0.96	1432	7560						
	1.1	1259	7560						
	1.2	1106	7560						
	1.6	836	7560	R RF	67 R37 67 R37	DR DR	63M4 63M4	41 44	167 167
	1.8	750	7560						
	2.0	646	7560						
	2.3	574	7560						
	2.6	495	7560	R RF	67 R37 67 R37	DR DR	63L4 63L4	41 45	167 167
	3.0	438	7560						
	3.4	388	7560						
	4.0	344	7560	R RF	67 R37 67 R37	DT DT	71D4 71D4	42 46	167 167
	4.7	294	7560						



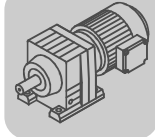
$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
820	0.08	16370	9920	R RF	77 R37 77 R37	DR DR	63S4 63S4	46 52	167 167
	0.09	15015	9920						
	0.10	13885	9920						
	0.11	12783	9920						
	0.13	11021	9920						
	0.14	9788	9920						
	0.16	8714	9920						
	0.18	7617	9920						
	0.20	6770	9920						
	0.24	5838	9920						
	0.27	5184	9920						
	0.31	4470	9920						
	0.35	3999	9920						
	0.40	3488	9920						
	0.45	3053	9920						
	0.52	2671	9920						
	0.44	3151	9920	R RF	77 R37 77 R37	DR DR	63S4 63S4	45 51	167 167
	0.48	2890	9920						
	0.56	2460	9920						
	0.65	2121	9920						
	0.70	1977	9920						
	0.80	1728	9920						
	0.85	1620	9920						
	0.97	1430	9920						
	1.1	1303	9920	R RF	77 R37 77 R37	DR DR	63M4 63M4	45 51	167 167
	1.2	1124	9920						
	1.3	1047	9920						
	1.4	915	9920						
	1.5	858	9920						
	1.7	757	9920	R RF	77 R37 77 R37	DR DR	63L4 63L4	46 52	167 167
	1.9	671	9920						
	2.3	571	9920						
	2.3	560	9920	R RF	77 R37 77 R37	DR DR	63L4 63L4	47 53	167 167
	2.8	488	9920						
	3.2	436	9920						
	3.7	373	9920	R RF	77 R37 77 R37	DT DT	71D4 71D4	48 54	167 167
	4.2	327	9920						
	4.7	289	9920						
	5.2	260	9920	R RF	77 R37 77 R37	DT DT	80K4 80K4	50 56	167 167
	0.08	17452	16900						
	0.09	15310	16900						
	0.10	13813	16900	R RF	87 R57 87 R57	DR DR	63S4 63S4	86 93	167 167
	0.11	12025	16900						
	0.13	10549	16900						
	0.15	9244	16900						
	0.17	8109	16900						
	0.20	7038	16900						
	0.22	6174	16900						
	0.25	5449	16900						
	0.29	4831	16900						
	0.33	4206	16900						
	0.37	3744	16900						
	0.43	3233	16900						
	0.48	2873	16900						
1550	0.67	1961	16900	R RF	87 R57 87 R57	DR DR	63M4 63M4	86 93	167 167
	0.34	4020	16900						
	0.43	3182	16900	R RF	87 R57 87 R57	DR DR	63S4 63S4	85 92	167 167
	0.50	2770	16900						
	0.53	2595	16900						



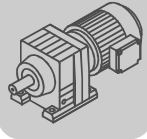
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Selection tables for particularly low output speeds [Nm]

$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
1550	0.62	2129	16900						
	0.68	1930	16900	R	87 R57	DR	63M4	85	167
	0.76	1733	16900	RF	87 R57	DR	63M4	92	167
	0.89	1489	16900						
	0.93	1395	16900						
	1.1	1232	16900	R	87 R57	DR	63L4	85	167
	1.1	1145	16900	RF	87 R57	DR	63L4	93	167
	1.2	1037	16900						
	1.7	802	16900	R	87 R57	DT	71D4	87	167
	1.8	754	16900	RF	87 R57	DT	71D4	94	167
	0.76	1737	16900	R	87 R57	DR	63M4	85	167
	0.87	1524	16900	RF	87 R57	DR	63M4	92	167
	1.0	1303	16900	R	87 R57	DR	63L4	86	167
				RF	87 R57	DR	63L4	93	167
	1.4	1008	16900	R	87 R57	DT	80K4	89	167
				RF	87 R57	DT	80K4	97	167
	1.6	885	16900	R	87 R57	DT	71D4	87	167
				RF	87 R57	DT	71D4	95	167
	2.0	685	16900	R	87 R57	DT	80K4	89	167
	2.3	599	16900	RF	87 R57	DT	80K4	97	167
	3.5	398	16900	R	87 R57	DT	80N4	90	167
	3.9	352	16900	RF	87 R57	DT	80N4	98	167
	4.6	305	16900	R	87 R57	DT	90S4	96	167
	5.2	268	16900	RF	87 R57	DT	90S4	105	167
	2.5	538	16900	R	87 R57	DT	80K4	88	167
	2.9	472	16900	RF	87 R57	DT	80K4	95	167
	3.5	400	16900	R	87 R57	DT	80N4	89	167
	3.8	361	16900	RF	87 R57	DT	80N4	96	167
	4.7	300	16900	R	87 R57	DT	90S4	94	167
	5.5	256	16900	RF	87 R57	DT	90S4	100	167
3000	0.06	21769	19800						
	0.07	19332	19800						
	0.08	17230	19800						
	0.09	14999	19800						
	0.10	13320	19800						
	0.12	11156	19800	R	97 R57	DR	63S4	130	167
	0.14	10030	19800	RF	97 R57	DR	63S4	145	167
	0.16	8706	19800						
	0.18	7692	19800						
	0.21	6708	19800						
	0.23	5931	19800						
	0.27	5161	19800						
	0.33	4004	19800	R	97 R57	DR	63M4	130	167
	0.38	3481	19800	RF	97 R57	DR	63M4	145	167
	0.29	4678	19800	R	97 R57	DR	63S4	125	167
				RF	97 R57	DR	63S4	145	167
	0.31	4309	19800	R	97 R57	DR	63M4	125	167
	0.36	3702	19800	RF	97 R57	DR	63M4	145	167
	0.44	3019	19800						
	0.49	2668	19800	R	97 R57	DR	63L4	125	167
	0.58	2245	19800	RF	97 R57	DR	63L4	145	167
	0.64	2016	19800						
	0.80	1733	19800	R	97 R57	DT	71D4	130	167
	0.85	1623	19800	RF	97 R57	DT	71D4	145	167
	0.96	1434	19800						

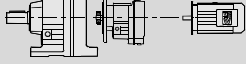


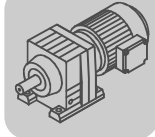
$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
3000	1.1	1207	19800						
	1.2	1084	19800	R	97 R57	DT	80K4	130	167
	1.5	934	19800	RF	97 R57	DT	80K4	145	167
	1.6	878	19800						
	1.8	755	19800	R	97 R57	DT	80N4	130	167
				RF	97 R57	DT	80N4	150	167
	0.76	1823	19800	R	97 R57	DT	71D4	130	167
	0.87	1583	19800	RF	97 R57	DT	71D4	145	167
	0.99	1396	19800						
	1.1	1228	19800	R	97 R57	DT	80K4	130	167
	1.3	1069	19800	RF	97 R57	DT	80K4	150	167
	1.4	938	19800						
	1.7	824	19800	R	97 R57	DT	80N4	135	167
	1.9	737	19800	RF	97 R57	DT	80N4	150	167
	2.2	632	19800	R	97 R57	DT	90S4	140	167
	2.5	560	19800	RF	97 R57	DT	90S4	155	167
	2.9	484	19800						
	3.3	431	19800	R	97 R57	DT	90L4	140	167
	3.7	379	19800	RF	97 R57	DT	90L4	155	167
	4.2	336	19800						
	4.8	296	19800	R	97 R57	DV	100M4	145	167
	5.7	249	19800	RF	97 R57	DV	100M4	165	167
	6.0	234	19800						
	2.2	625	19800	R	97 R57	DT	90S4	135	167
	2.6	549	19800	RF	97 R57	DT	90S4	150	167
	5.2	270	19800	R	97 R57	DV	100M4	145	167
	6.2	227	19800	RF	97 R57	DV	100M4	160	167
4300	0.07	20018	29500						
	0.08	17080	29500						
	0.09	14936	29500						
	0.11	12829	29500	R	107 R77	DR	63S4	200	167
	0.12	11256	29500	RF	107 R77	DR	63S4	210	167
	0.14	9547	29500						
	0.16	8618	29500						
	0.18	7583	29500						
	0.20	6743	29500						
	0.22	5914	29500	R	107 R77	DR	63M4	200	167
	0.26	5168	29500	RF	107 R77	DR	63M4	210	167
	0.30	4435	29500						
	0.33	3896	29500	R	107 R77	DR	63L4	205	167
	0.43	3039	29500	RF	107 R77	DR	63L4	210	167
	0.34	3918	29500	R	107 R77	DR	63M4	195	167
				RF	107 R77	DR	63M4	200	167
	0.39	3343	29500	R	107 R77	DR	63L4	195	167
	0.43	3034	29500	RF	107 R77	DR	63L4	200	167
	0.52	2653	29500	R	107 R77	DT	71D4	195	167
	0.61	2280	29500	RF	107 R77	DT	71D4	205	167
	0.67	2067	29500						
	0.80	1693	29500	R	107 R77	DT	80K4	200	167
	0.88	1550	29500	RF	107 R77	DT	80K4	205	167
	0.97	1407	29500						
	1.1	1209	29500	R	107 R77	DT	80N4	200	167
	1.3	1055	29500	RF	107 R77	DT	80N4	205	167

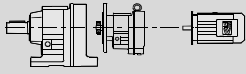


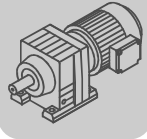
Helical Gearmotors

Selection tables for particularly low output speeds [Nm]

$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
4300	1.5	919	29500	R	107 R77	DT	90S4	205	167
	1.7	815	29500	RF	107 R77	DT	90S4	210	167
	1.9	717	29500						
	2.2	626	29500	R	107 R77	DT	90L4	205	167
	2.7	528	29500	RF	107 R77	DT	90L4	215	167
	0.69	1987	29500	R	107 R77	DT	71D4	200	167
				RF	107 R77	DT	71D4	210	167
	0.74	1827	29500	R	107 R77	DT	80K4	205	167
	0.85	1599	29500	RF	107 R77	DT	80K4	210	167
	0.97	1400	29500						
	1.1	1226	29500	R	107 R77	DT	80N4	205	167
	1.2	1104	29500	RF	107 R77	DT	80N4	210	167
	1.5	939	29500						
	1.7	822	29500	R	107 R77	DT	90S4	210	167
				RF	107 R77	DT	90S4	215	167
	2.3	614	29500	R	107 R77	DT	90L4	210	167
	2.6	544	29500	RF	107 R77	DT	90L4	220	167
	2.9	492	29500						
	3.4	417	29500	R	107 R77	DV	100M4	220	167
	3.8	369	29500	RF	107 R77	DV	100M4	225	167
	4.4	323	29500						
	4.9	285	29500	R	107 R77	DV	100L4	225	167
	5.5	253	29500	RF	107 R77	DV	100L4	230	167
	6.6	214	29500	R	107 R77	DV	112M4	230	167
	7.6	187	29500	RF	107 R77	DV	112M4	235	167
	3.0	469	29500	R	107 R77	DT	90L4	205	167
				RF	107 R77	DT	90L4	210	167
	3.3	426	29500	R	107 R77	DV	100M4	215	167
	3.7	377	29500	RF	107 R77	DV	100M4	220	167
	4.4	325	29500						
	4.9	284	29500	R	107 R77	DV	100L4	215	167
	5.5	256	29500	RF	107 R77	DV	100L4	225	167
	6.5	220	29500	R	107 R77	DV	112M4	225	167
	7.3	193	29500	RF	107 R77	DV	112M4	230	167
	8.2	172	29500						
8000	0.06	22203	53400						
	0.07	18945	53400	R	137 R77	DR	63S4	290	167
	0.08	16566	53400	RF	137 R77	DR	63S4	310	167
	0.09	14777	53400						
	0.11	12921	53400						
	0.11	11712	53400	R	137 R77	DR	63M4	290	167
	0.12	10573	53400	RF	137 R77	DR	63M4	310	167
	0.15	8784	53400						
	0.17	7479	53400	R	137 R77	DR	63L4	290	167
	0.20	6559	53400	RF	137 R77	DR	63L4	310	167
	0.22	5834	53400						
	0.27	5116	53400	R	137 R77	DT	71D4	290	167
	0.31	4464	53400	RF	137 R77	DT	71D4	315	167
	0.35	3928	53400						
	0.39	3454	53400	R	137 R77	DT	80K4	290	167
	0.45	2993	53400	RF	137 R77	DT	80K4	315	167
	0.29	4709	53400	R	137 R77	DT	71D4	280	167
	0.34	4018	53400	RF	137 R77	DT	71D4	305	167

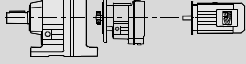


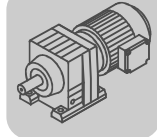
$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
8000	0.39	3514	53400						
	0.41	3338	53400	R	137 R77	DT	80K4	280	167
	0.46	2929	53400	RF	137 R77	DT	80K4	305	167
	0.55	2484	53400						
	0.62	2242	53400	R	137 R77	DT	80N4	285	167
	0.74	1863	53400	RF	137 R77	DT	80N4	305	167
	0.88	1586	53400	R	137 R77	DT	90S4	290	167
	1.0	1391	53400	RF	137 R77	DT	90S4	310	167
	1.1	1256	53400						
	1.3	1105	53400	R	137 R77	DT	90L4	290	167
	1.4	1043	53400	RF	137 R77	DT	90L4	315	167
	1.6	888	53400						
	2.0	699	53400	R	137 R77	DV	100M4	295	167
	2.3	609	53400	RF	137 R77	DV	100M4	320	167
	0.51	2658	53400	R	137 R77	DT	80K4	290	167
	0.56	2412	53400	RF	137 R77	DT	80K4	315	167
	0.67	2073	53400	R	137 R77	DT	80N4	295	167
	0.75	1839	53400	RF	137 R77	DT	80N4	315	167
	0.88	1598	53400	R	137 R77	DT	90S4	300	167
	1.0	1397	53400	RF	137 R77	DT	90S4	320	167
	1.1	1226	53400						
	1.3	1090	53400	R	137 R77	DT	90L4	300	167
	1.5	951	53400	RF	137 R77	DT	90L4	320	167
	1.7	831	53400	R	137 R77	DV	100M4	305	167
	1.9	730	53400	RF	137 R77	DV	100M4	330	167
	2.2	629	53400						
	2.5	560	53400	R	137 R77	DV	100L4	310	167
	2.9	490	53400	RF	137 R77	DV	100L4	335	167
	3.3	428	53400	R	137 R77	DV	112M4	315	167
	3.7	381	53400	RF	137 R77	DV	112M4	340	167
	4.4	323	53400	R	137 R77	DV	132S4	325	167
	4.9	291	53400	RF	137 R77	DV	132S4	345	167
	5.6	255	53400						
	2.5	564	53400	R	137 R77	DV	100L4	300	167
	2.7	517	53400	RF	137 R77	DV	100L4	325	167
	3.1	453	53400						
	3.8	376	53400	R	137 R77	DV	112M4	305	167
	4.2	339	53400	RF	137 R77	DV	112M4	330	167
	4.8	297	53400	R	137 R77	DV	132S4	315	167
				RF	137 R77	DV	132S4	335	167
13000	0.06	23401	62700	R	147 R77	DR	63S4	420	167
	0.06	21342	62700	RF	147 R77	DR	63S4	430	167
	0.07	18210	62700	R	147 R77	DR	63M4	420	167
	0.08	15923	62700	RF	147 R77	DR	63M4	430	167
	0.09	14075	62700						
	0.11	12344	62700	R	147 R77	DR	63L4	420	167
	0.12	11143	62700	RF	147 R77	DR	63L4	430	167
	0.13	9743	62700						
	0.16	8443	62700	R	147 R77	DT	71D4	420	167
	0.19	7307	62700	RF	147 R77	DT	71D4	430	167
	0.21	6447	62700						

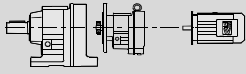


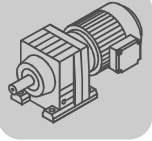
Helical Gearmotors

Selection tables for particularly low output speeds [Nm]

$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
13000	0.24	5568	62700	R RF	147 R77	DT	80K4	425	167
	0.28	4926	62700		147 R77	DT	80K4	430	167
	0.31	4325	62700						
	0.37	3754	62700	R RF	147 R77	DT	80N4	425	167
	0.42	3302	62700		147 R77	DT	80N4	435	167
	0.48	2898	62700						
	0.55	2555	62700	R RF	147 R77	DT	90S4	430	167
	0.63	2211	62700		147 R77	DT	90S4	440	167
	0.72	1951	62700						
	0.83	1705	62700	R RF	147 R77	DT	90L4	430	167
	0.92	1536	62700		147 R77	DT	90L4	440	167
	1.1	1329	62700	R RF	147 R77	DV	100M4	435	167
	1.2	1166	62700		147 R77	DV	100M4	445	167
	1.4	1029	62700						
	1.6	889	62700	R RF	147 R77	DV	100L4	440	167
	1.8	784	62700		147 R77	DV	100L4	450	167
	2.0	695	62700	R RF	147 R77	DV	112M4	445	167
	2.3	619	62700		147 R77	DV	112M4	455	167
	2.5	558	62700						
	2.9	489	62700	R RF	147 R77	DV	132S4	455	167
					147 R77	DV	132S4	465	167
	2.7	533	62700	R RF	147 R87	DV	112M4	470	167
					147 R87	DV	112M4	475	167
	3.1	462	62700	R RF	147 R87	DV	132S4	475	167
	3.4	426	62700		147 R87	DV	132S4	480	167
	3.9	368	62700	R RF	147 R87	DV	132M4	495	167
	4.4	326	62700		147 R87	DV	132M4	500	167
	5.1	280	62700	R RF	147 R87	DV	132ML4	500	167
	5.8	247	62700		147 R87	DV	132ML4	510	167
	6.7	214	62700	R RF	147 R87	DV	160M4	510	167
					147 R87	DV	160M4	520	167
18000	0.05	27001	120000	R RF	167 R97	DT	80K4	750	167
	0.06	22482	120000						
	0.07	20002	120000						
	0.08	17361	120000						
	0.09	15446	120000						
	0.10	14051	120000						
	0.12	11812	120000						
	0.13	10509	120000						
	0.14	9631	120000						
	0.18	7749	120000	R RF	167 R97	DT	90S4	760	167
	0.20	6894	120000						
	0.22	6077	120000	R RF	167 R97	DT	80K4	750	167
	0.26	5407	120000	R RF	167 R97	DT	80N4	750	167
	0.30	4650	120000						
	0.33	4129	120000						
	0.38	3692	120000	R RF	167 R97	DT	90S4	760	167
	0.53	2657	120000	R RF	167 R97	DT	90L4	760	167
	0.60	2333	120000						
	0.68	2085	120000						



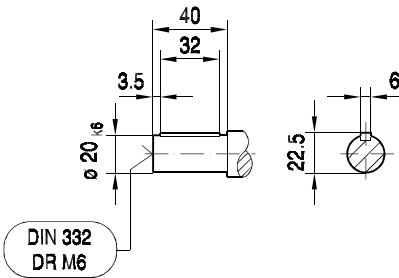
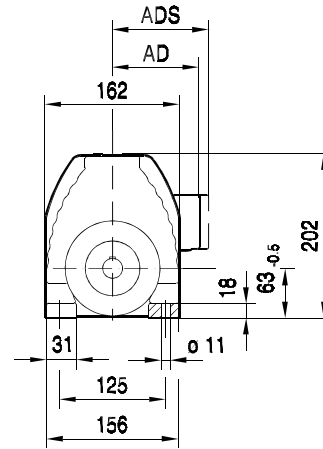
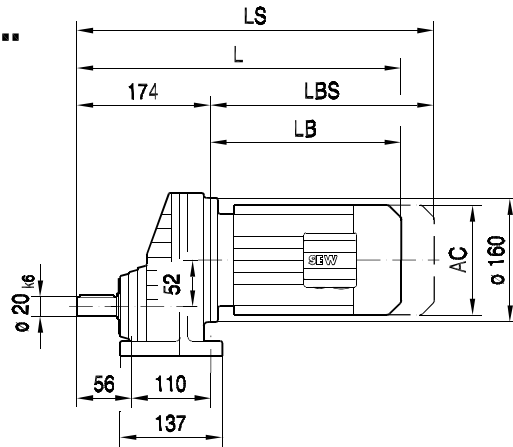
$M_{a \max}$ [Nm]	n_a [1/min]	i	$F_{Ra}^{1)}$ [N]					m [kg]	
18000	0.75	1877	120000						
	0.84	1670	120000	R	167 R97	DV	100M4	770	167
	0.98	1438	120000	RF	167 R97	DV	100M4	770	167
	1.1	1279	120000	R	167 R97	DV	100L4	770	167
	1.2	1123	120000	RF	167 R97	DV	100L4	780	167
	1.4	999	120000						
	1.7	861	120000	R	167 R97	DV	112M4	780	167
	1.9	760	120000	RF	167 R97	DV	112M4	780	167
	2.2	656	120000	R	167 R97	DV	132S4	780	167
	2.5	579	120000	RF	167 R97	DV	132S4	790	167
	2.8	503	120000	R	167 R97	DV	132M4	800	167
	3.3	432	120000	RF	167 R97	DV	132M4	810	167
	3.8	376	120000	R	167 R97	DV	132ML4	810	167
	4.3	335	120000	RF	167 R97	DV	132ML4	820	167
	4.8	303	120000	R	167 R97	DV	160M4	820	167
	5.2	279	120000	RF	167 R97	DV	160M4	820	167
	4.9	295	120000	R	167 R107	DV	160M4	860	167
	5.3	270	120000	RF	167 R107	DV	160M4	870	167
	6.4	229	120000	R	167 R107	DV	160L4	900	167
	7.3	200	120000	RF	167 R107	DV	160L4	910	167
	5.0	291	120000	R	167 R107	DV	160M4	860	167
				RF	167 R107	DV	160M4	860	167
	5.5	264	120000	R	167 R107	DV	160L4	900	167
	6.4	227	120000	RF	167 R107	DV	160L4	900	167
	7.4	198	120000						



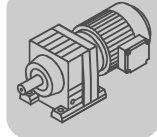
3.5 Dimension sheets [mm]

04 027 02 00

RX57..

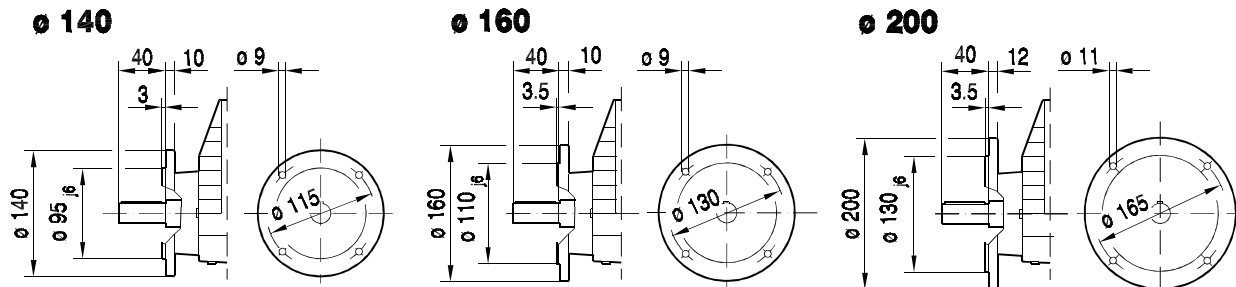
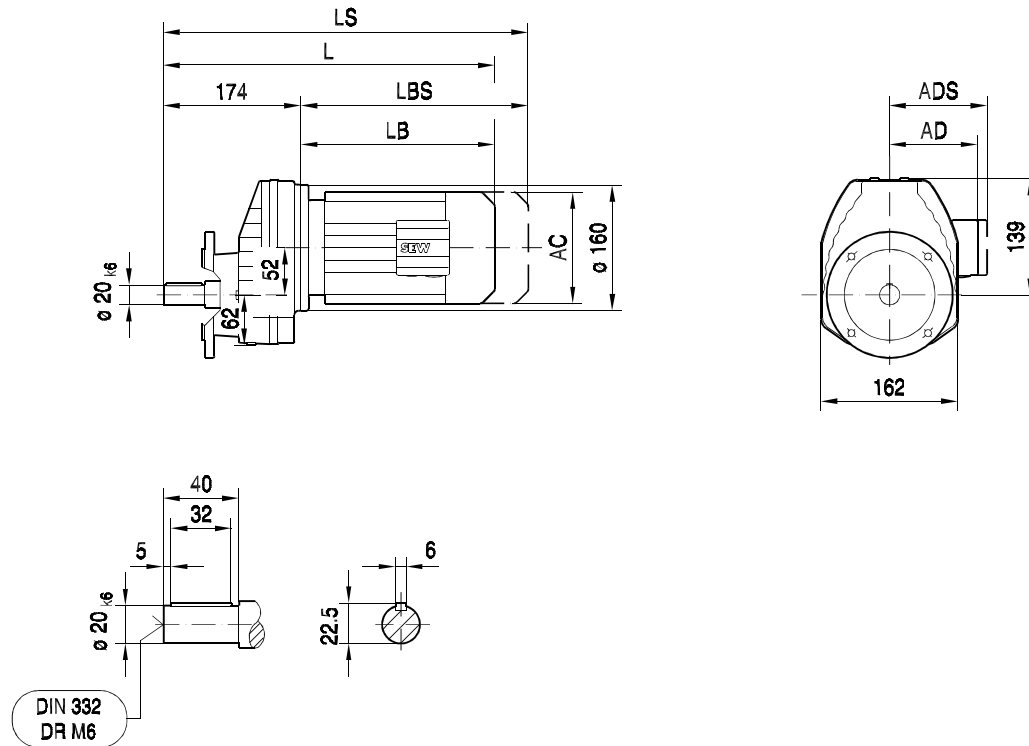


(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S			
AC	132	145	145	197	197	197	221	221			
AD	105	122	122	154	166	166	179	179			
ADS	105	127	127	161	166	166	182	182			
L	359	373	423	443	493	523	528	576			
LS	414	437	487	528	578	608	608	656			
LB	185	199	249	269	319	349	354	402			
LBS	240	263	313	354	404	434	434	482			

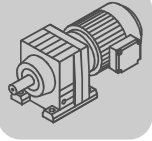


04 033 02 00

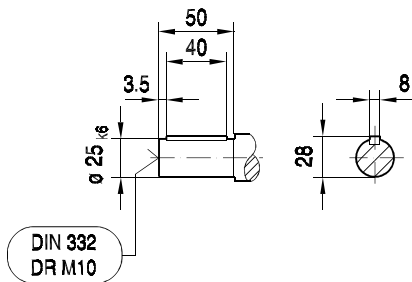
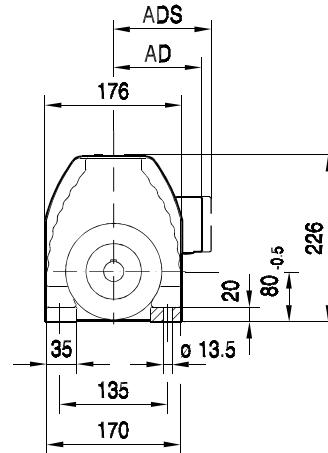
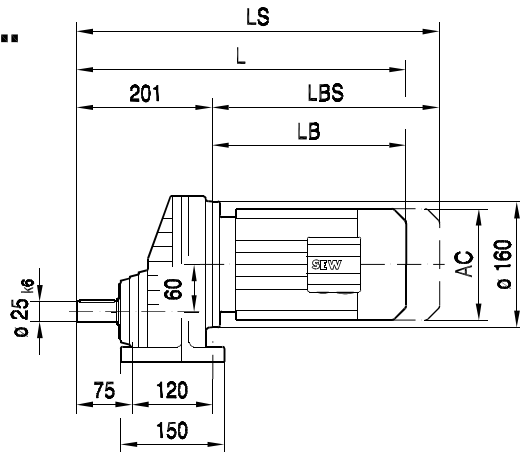
RXF57..



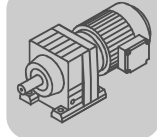
(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S			
AC	132	145	145	197	197	197	221	221			
AD	105	122	122	154	166	166	179	179			
ADS	105	127	127	161	166	166	182	182			
L	359	373	423	443	493	523	528	576			
LS	414	437	487	528	578	608	608	656			
LB	185	199	249	269	319	349	354	402			
LBS	240	263	313	354	404	434	434	482			



RX67..

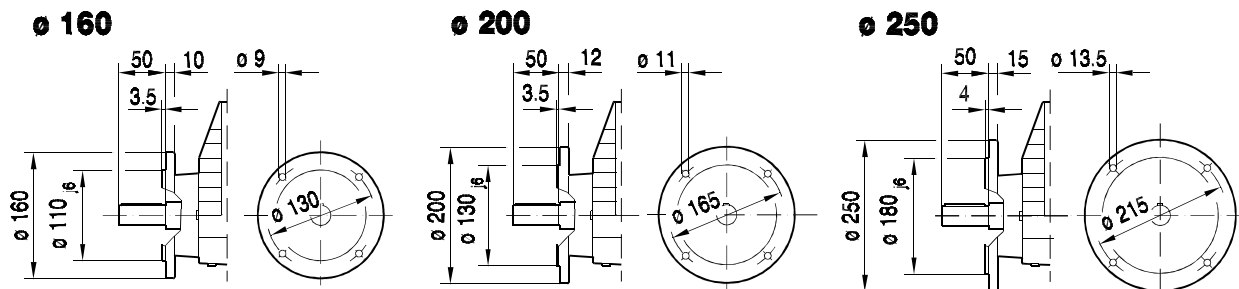
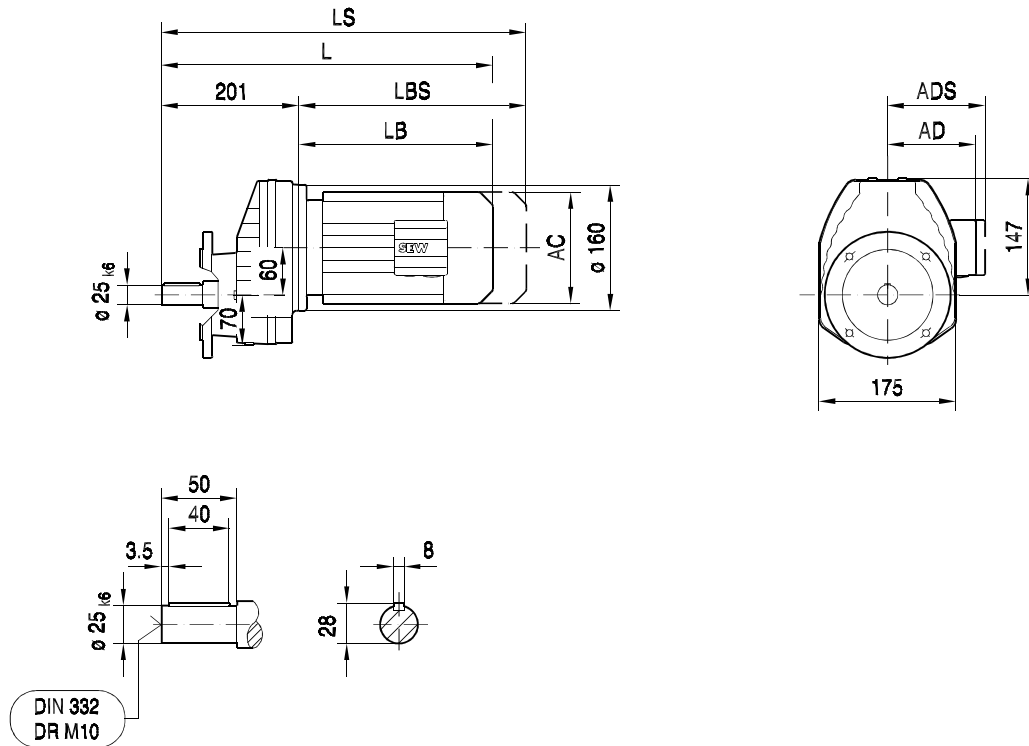


(→  14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M		
AC	132	145	145	197	197	197	221	221	275		
AD	105	122	122	154	166	166	179	179	230		
ADS	105	127	127	161	166	166	182	182	230		
L	386	400	450	470	520	550	555	603	625		
LS	441	464	514	555	605	635	635	683	737		
LB	185	199	249	269	319	349	354	402	424		
LBS	240	263	313	354	404	434	434	482	536		

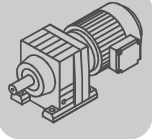


04 034 02 00

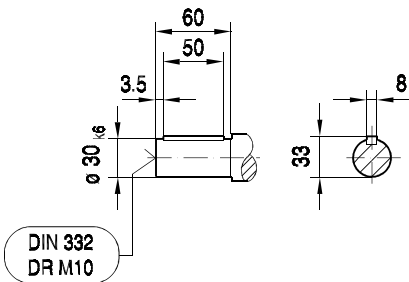
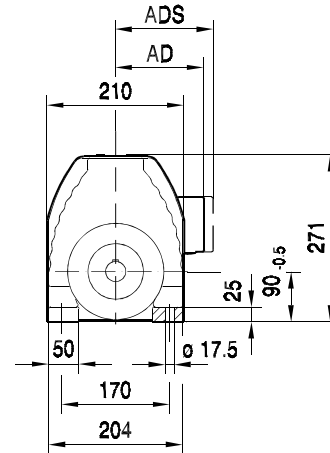
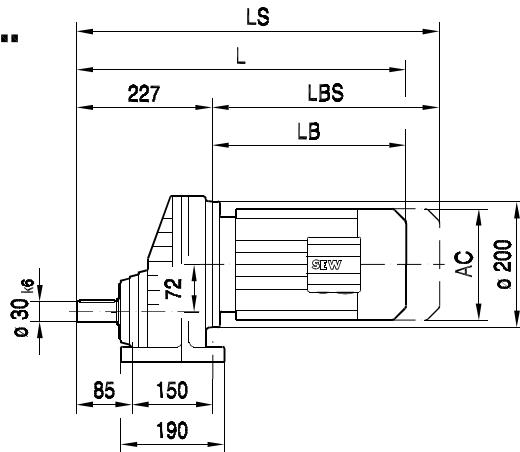
RXF67..



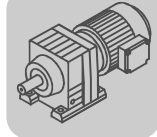
(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M		
AC	132	145	145	197	197	197	221	221	275		
AD	105	122	122	154	166	166	179	179	230		
ADS	105	127	127	161	166	166	182	182	230		
L	386	400	450	470	520	550	555	603	625		
LS	441	464	514	555	605	635	635	683	737		
LB	185	199	249	269	319	349	354	402	424		
LBS	240	263	313	354	404	434	434	482	536		



04 029 03 00

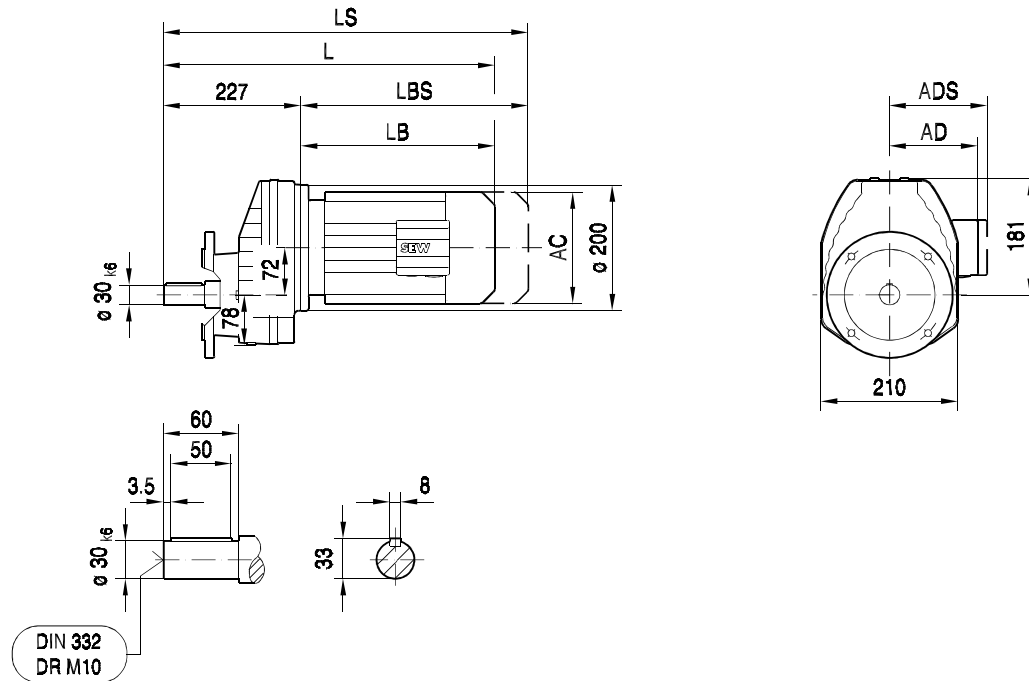
RX77..

(→ 14)	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M			
AC	197	197	197	221	221	275	275	275			
AD	154	166	166	179	179	230	230	230			
ADS	161	166	166	182	182	230	230	230			
L	488	538	568	572	617	639	699	699			
LS	573	623	653	652	697	751	811	811			
LB	261	311	341	345	390	412	472	472			
LBS	346	396	426	425	470	524	584	584			



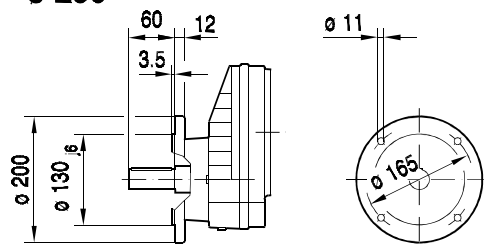
04 035 03 00

RXF77..

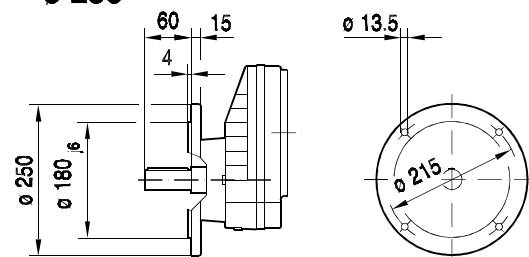


3

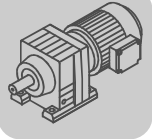
ø 200



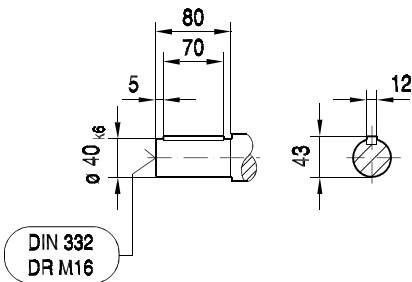
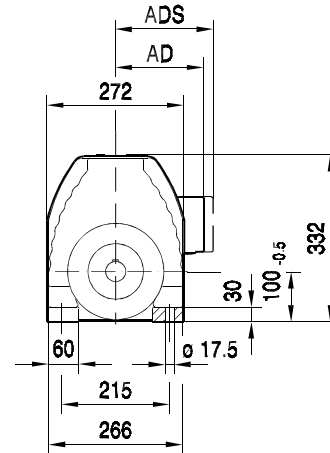
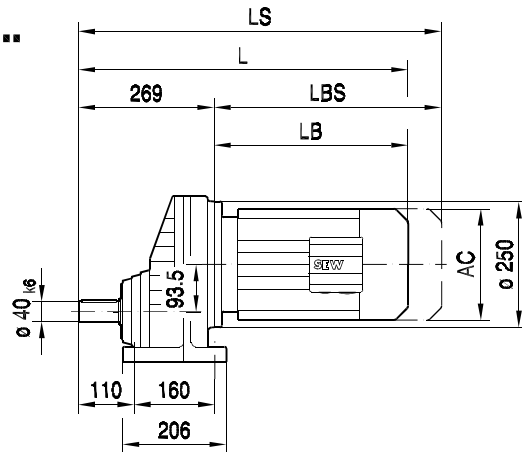
ø 250



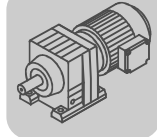
(→ 14)	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M			
AC	197	197	197	221	221	275	275	275			
AD	154	166	166	179	179	230	230	230			
ADS	161	166	166	182	182	230	230	230			
L	488	538	568	572	617	639	699	699			
LS	573	623	653	652	697	751	811	811			
LB	261	311	341	345	390	412	472	472			
LBS	346	396	426	425	470	524	584	584			



04 030 03 00

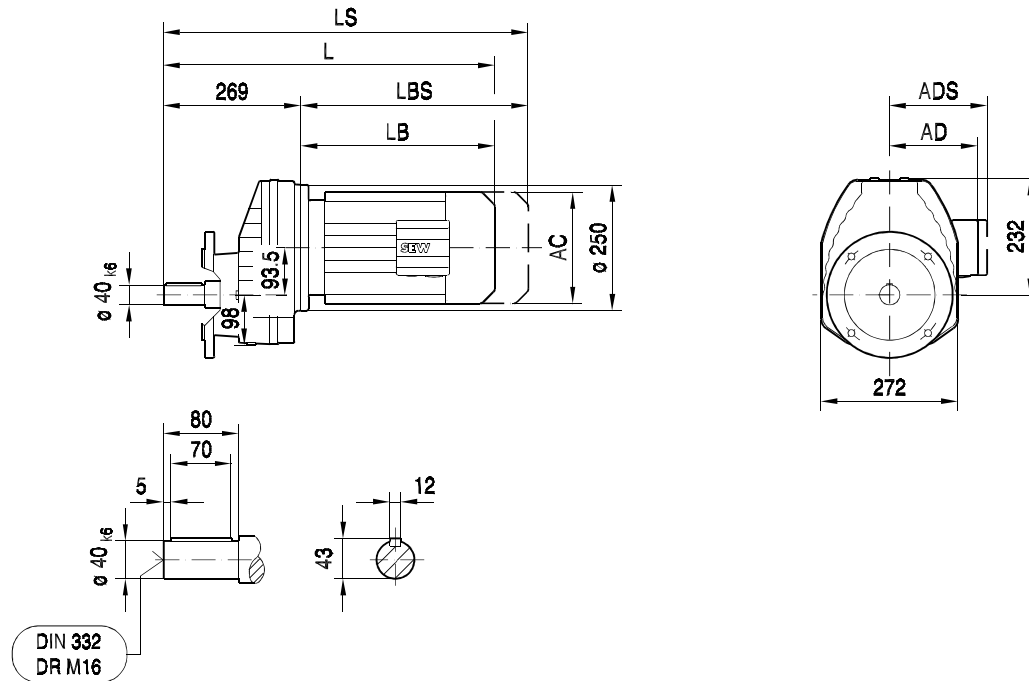
RX87..

(→ 14)	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..			
AC	197	221	221	275	275	275	331	331			
AD	166	179	179	230	230	230	258	258			
ADS	166	182	182	230	230	230	258	258			
L	606	609	654	676	736	736	783	855			
LS	691	689	734	788	848	848	939	1011			
LB	337	340	385	407	467	467	514	586			
LBS	422	420	465	519	579	579	670	742			

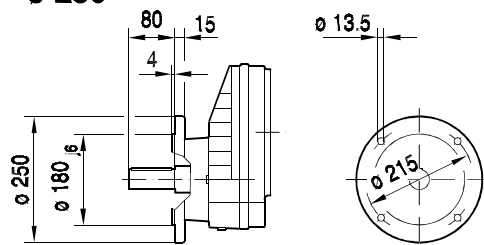


04 036 03 00

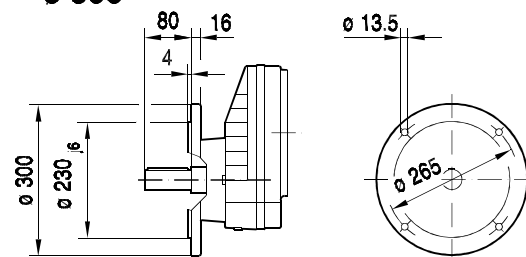
RXF87..



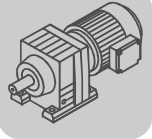
ø 250



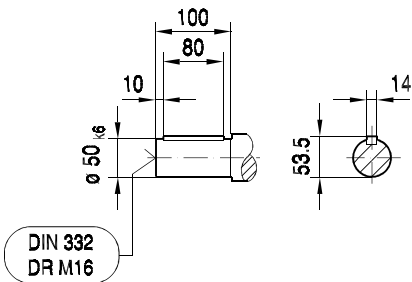
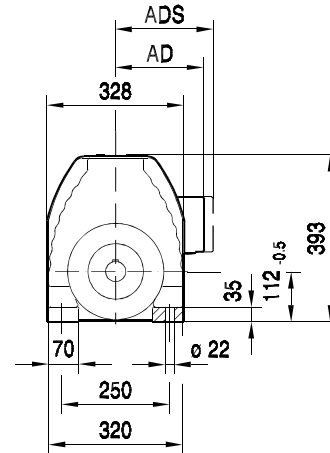
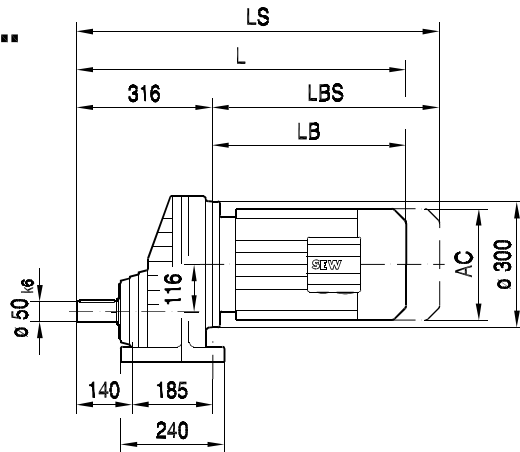
ø 300



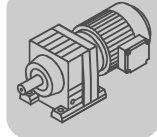
(→ 14)	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..			
AC	197	221	221	275	275	275	331	331			
AD	166	179	179	230	230	230	258	258			
ADS	166	182	182	230	230	230	258	258			
L	606	609	654	676	736	736	783	855			
LS	691	689	734	788	848	848	939	1011			
LB	337	340	385	407	467	467	514	586			
LBS	422	420	465	519	579	579	670	742			



04 031 03 00

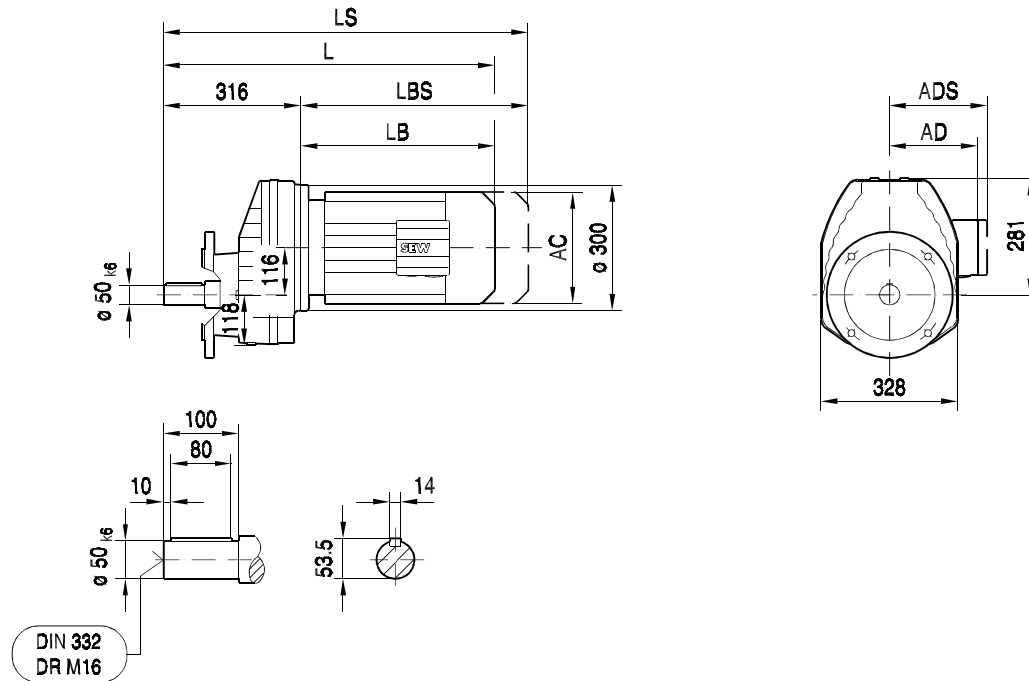
RX97..

(→ 14)	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..	DV200..				
AC	221	275	275	275	331	331	394				
AD	179	230	230	230	258	258	285				
ADS	182	230	230	230	258	258	285				
L	696	718	778	778	825	897	945				
LS	776	830	890	890	981	1053	1101				
LB	380	402	462	462	509	581	629				
LBS	460	514	574	574	665	737	785				

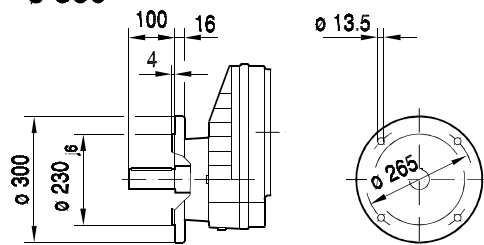


04 037 03 00

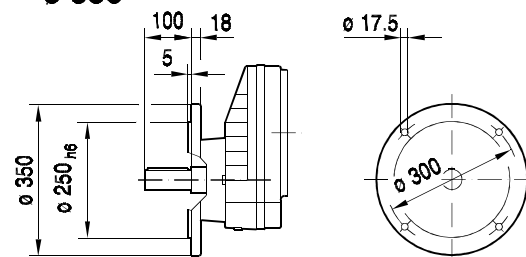
RXF97..



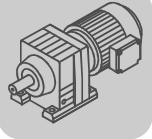
ø 300



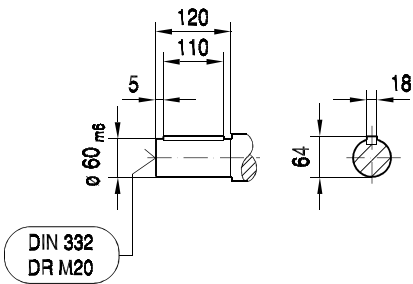
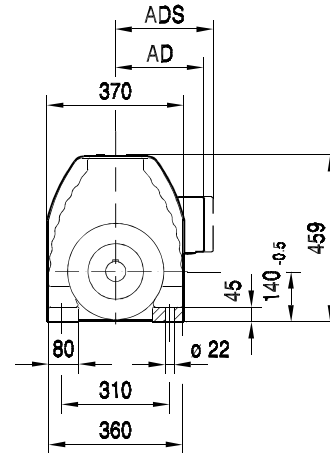
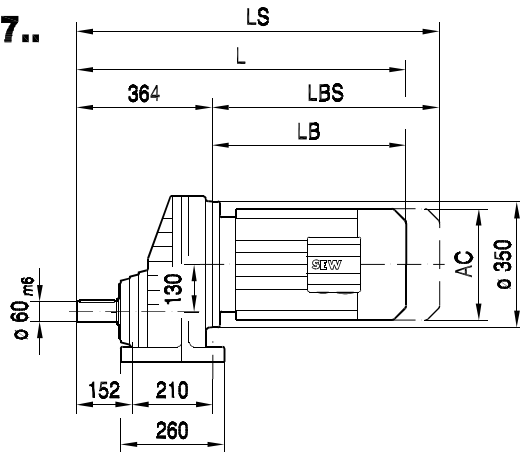
ø 350



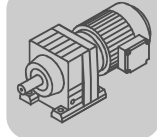
(→ 14)	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..	DV200..				
AC	221	275	275	275	331	331	394				
AD	179	230	230	230	258	258	285				
ADS	182	230	230	230	258	258	285				
L	696	718	778	778	825	897	945				
LS	776	830	890	890	981	1053	1101				
LB	380	402	462	462	509	581	629				
LBS	460	514	574	574	665	737	785				



04 032 03 00

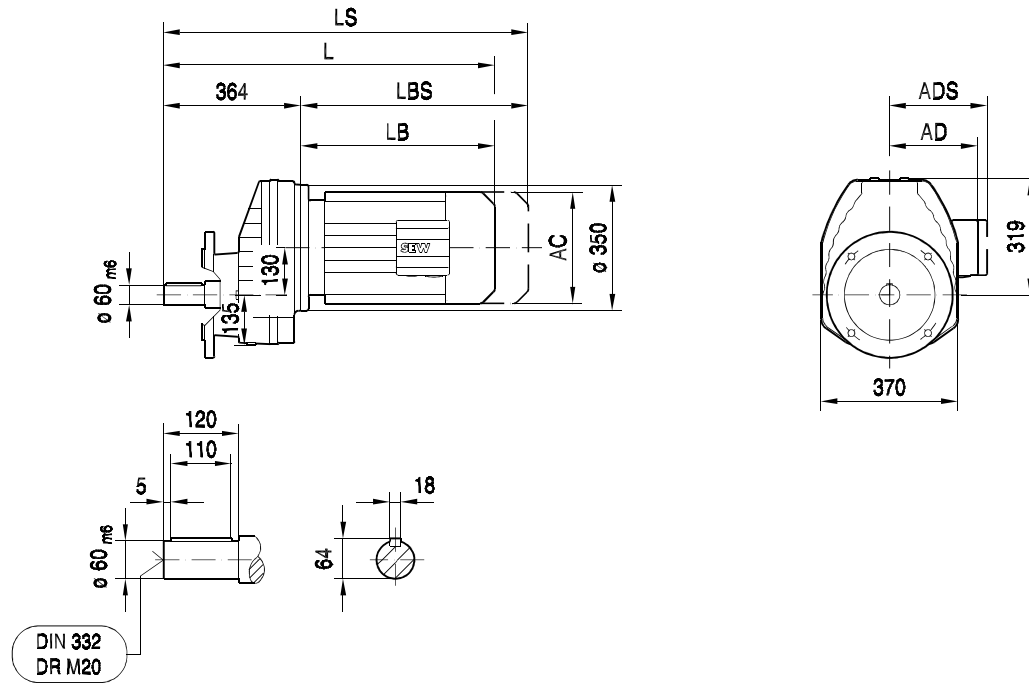
RX107..

(→ 14)	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..	DV200..	DV225..			
AC	221	275	275	275	331	331	394	394			
AD	179	230	230	230	258	258	285	289			
ADS	182	230	230	230	258	258	285	289			
L	738	760	820	820	867	939	987	1069			
LS	818	872	932	932	1023	1095	1143	1225			
LB	374	396	456	456	503	575	623	705			
LBS	454	508	568	568	659	731	779	861			

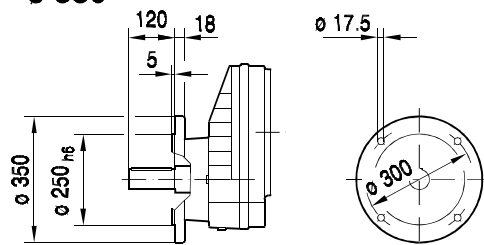


04 038 03 00

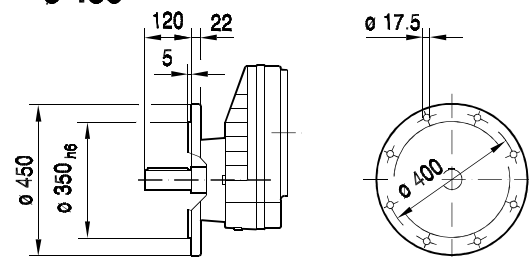
RXF107..



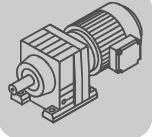
ø 350



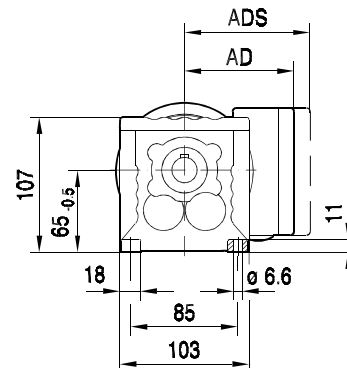
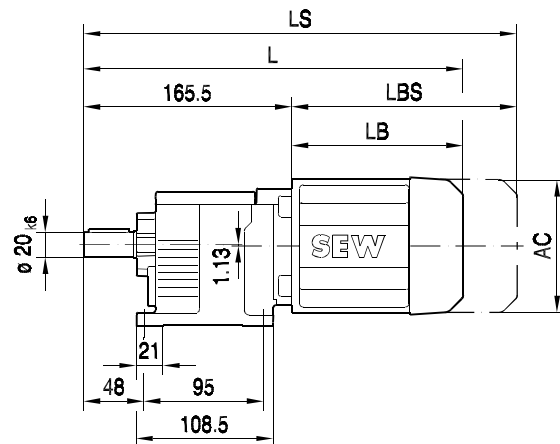
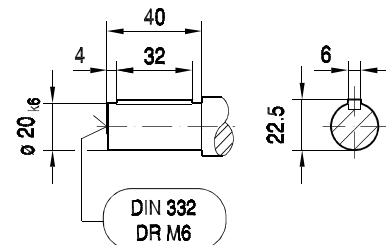
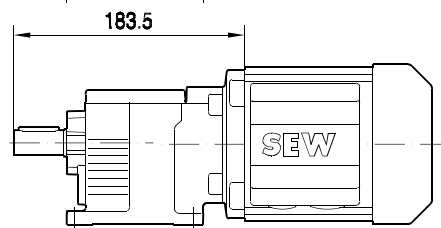
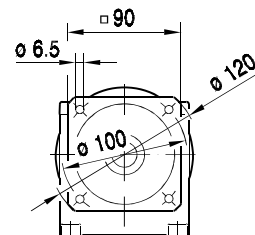
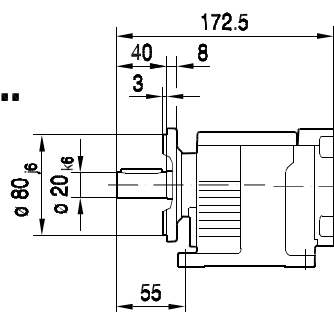
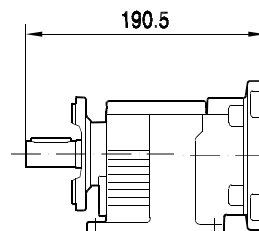
ø 450



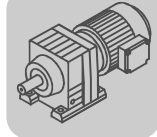
(→ 14)	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..	DV200..	DV225..			
AC	221	275	275	275	331	331	394	394			
AD	179	230	230	230	258	258	285	289			
ADS	182	230	230	230	258	258	285	289			
L	738	760	820	820	867	939	987	1069			
LS	818	872	932	932	1023	1095	1143	1225			
LB	374	396	456	456	503	575	623	705			
LBS	454	508	568	568	659	731	779	861			



04 002 02 02

R07..**DT56..****DR/DT..****R07F..****DT56..****DR/DT..**

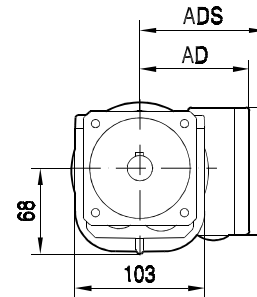
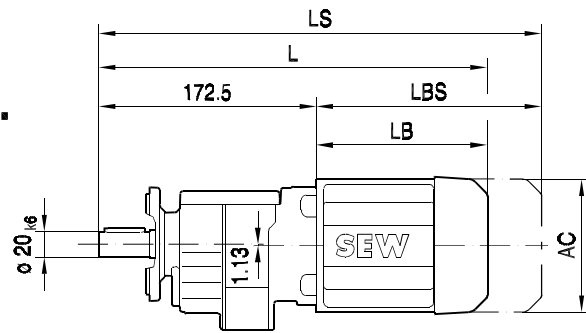
(→ 14)	DT56..	DR63..	DT71D								
AC	109	132	145								
AD	87	105	122								
ADS	87	105	127								
L	302	333	347								
LS	338	388	411								
LB	136	149	164								
LBS	172	204	227								



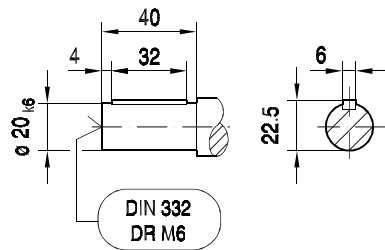
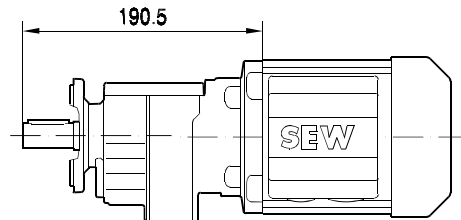
04 003 01 02

RF07..

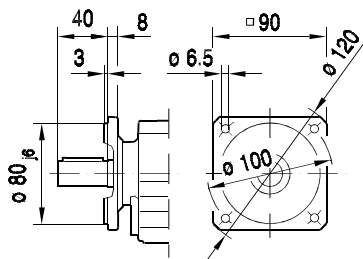
DT56..



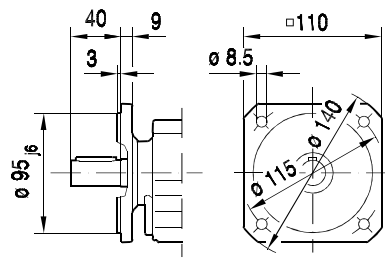
DR/DT..



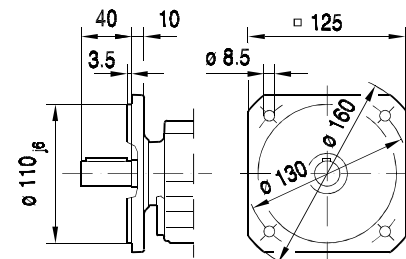
$\phi 120$



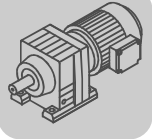
$\phi 140$



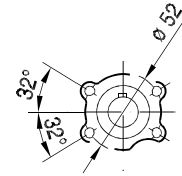
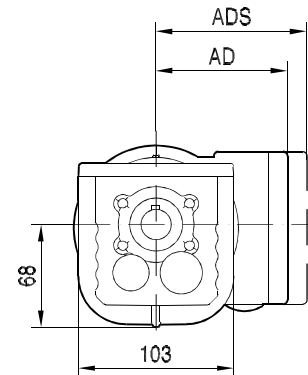
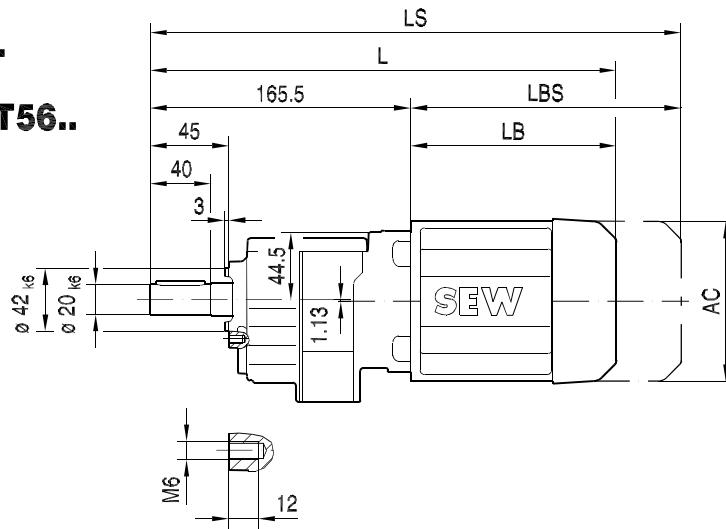
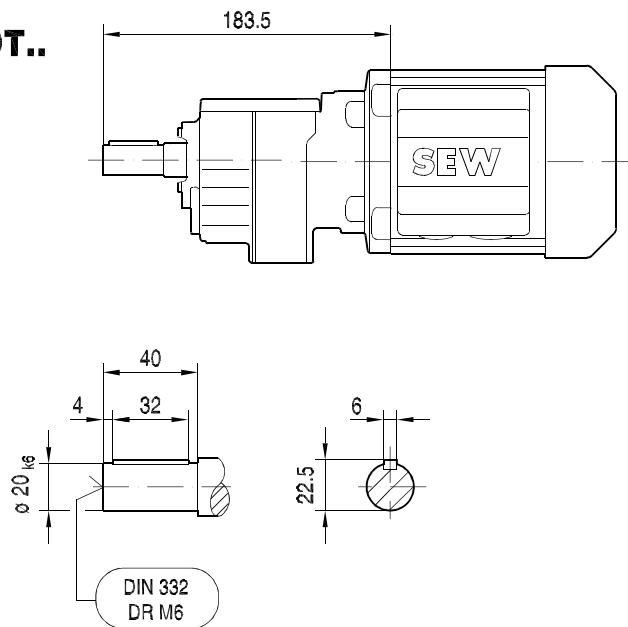
$\phi 160$



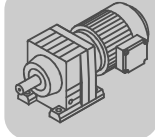
(→ 14)	DT56..	DR63..	DT71D								
AC	109	132	145								
AD	87	105	122								
ADS	87	105	127								
L	309	340	354								
LS	345	395	418								
LB	136	149	164								
LBS	172	204	227								



01 012 00 06

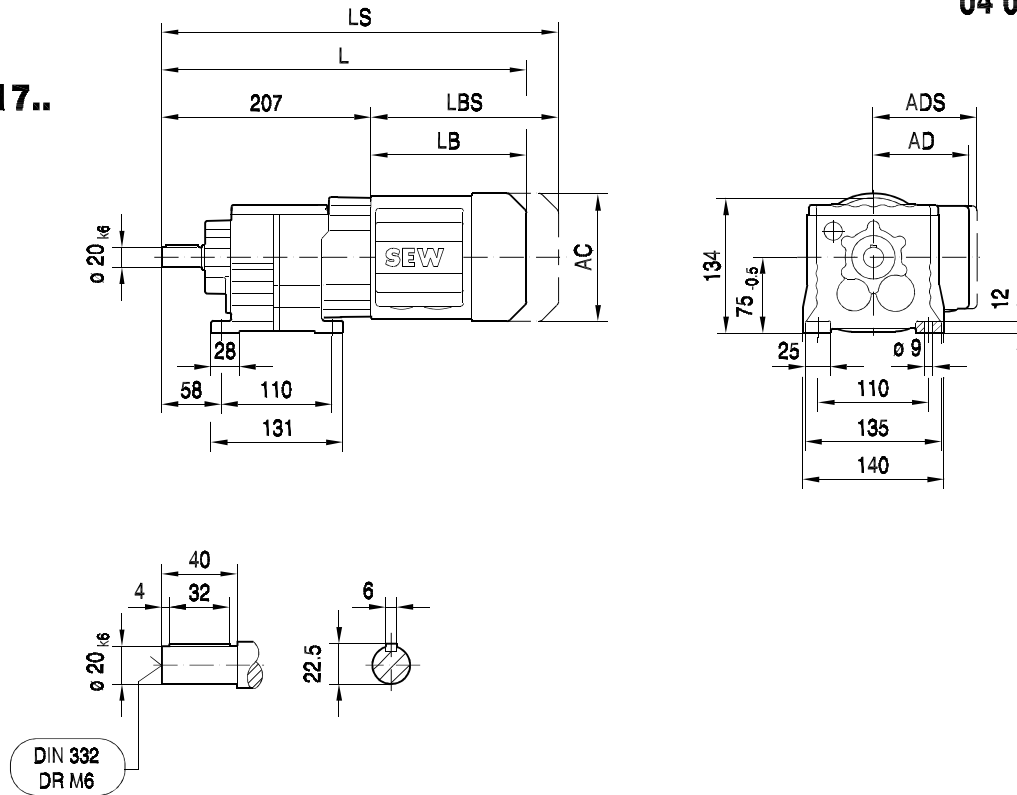
RZ07..**DT56..****DR/DT..**

(→ 14)	DT56..	DR63..	DT71D								
AC	109	132	145								
AD	87	105	122								
ADS	87	105	127								
L	327	340	354								
LS	363	395	418								
LB	136	149	164								
LBS	172	204	227								



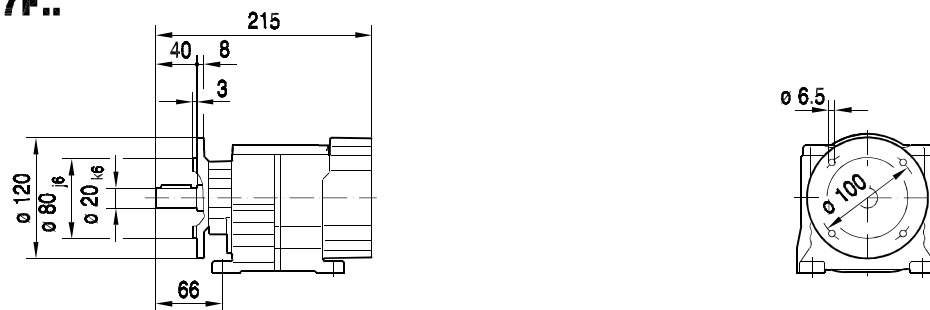
04 001 03 00

R17..

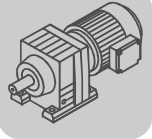


3

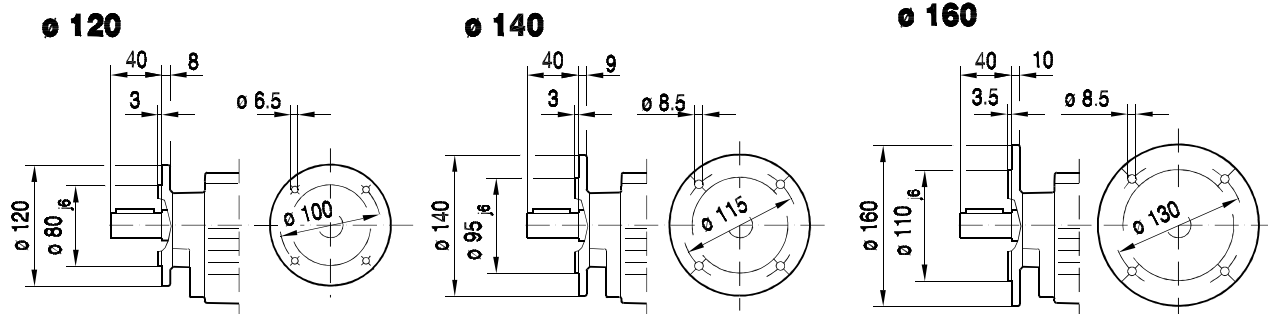
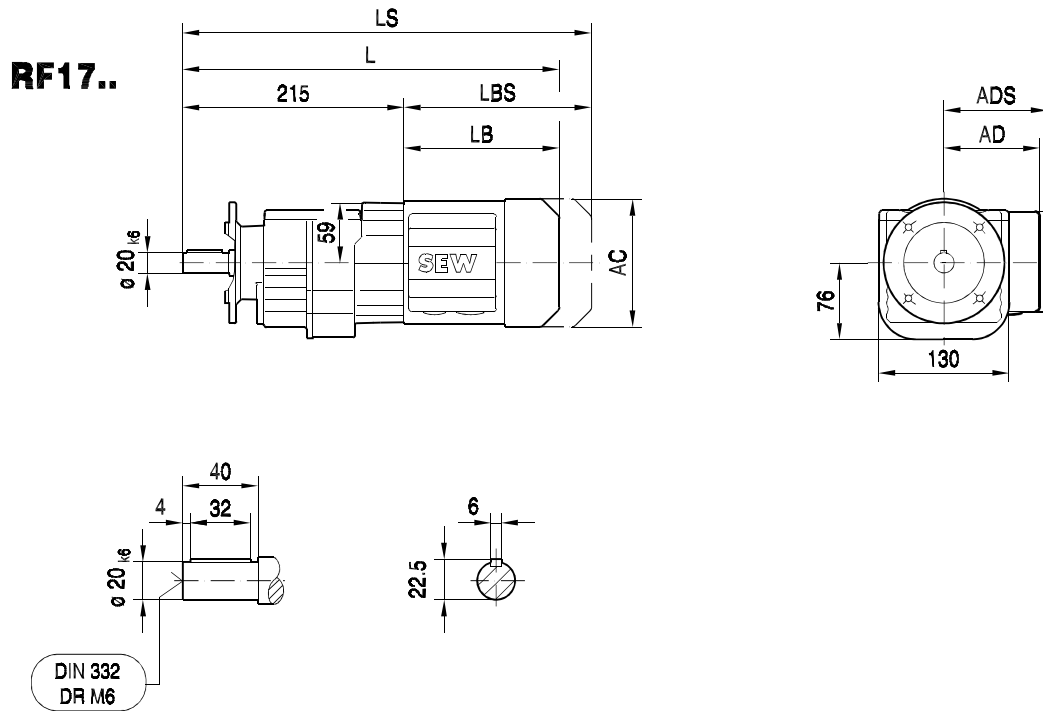
R17F..



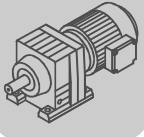
(→ 14)	DR63..	DT71D	DT80..							
AC	132	145	145							
AD	105	122	122							
ADS	105	127	127							
L	356	371	421							
LS	411	434	484							
LB	149	164	214							
LBS	204	227	277							



04 014 03 00

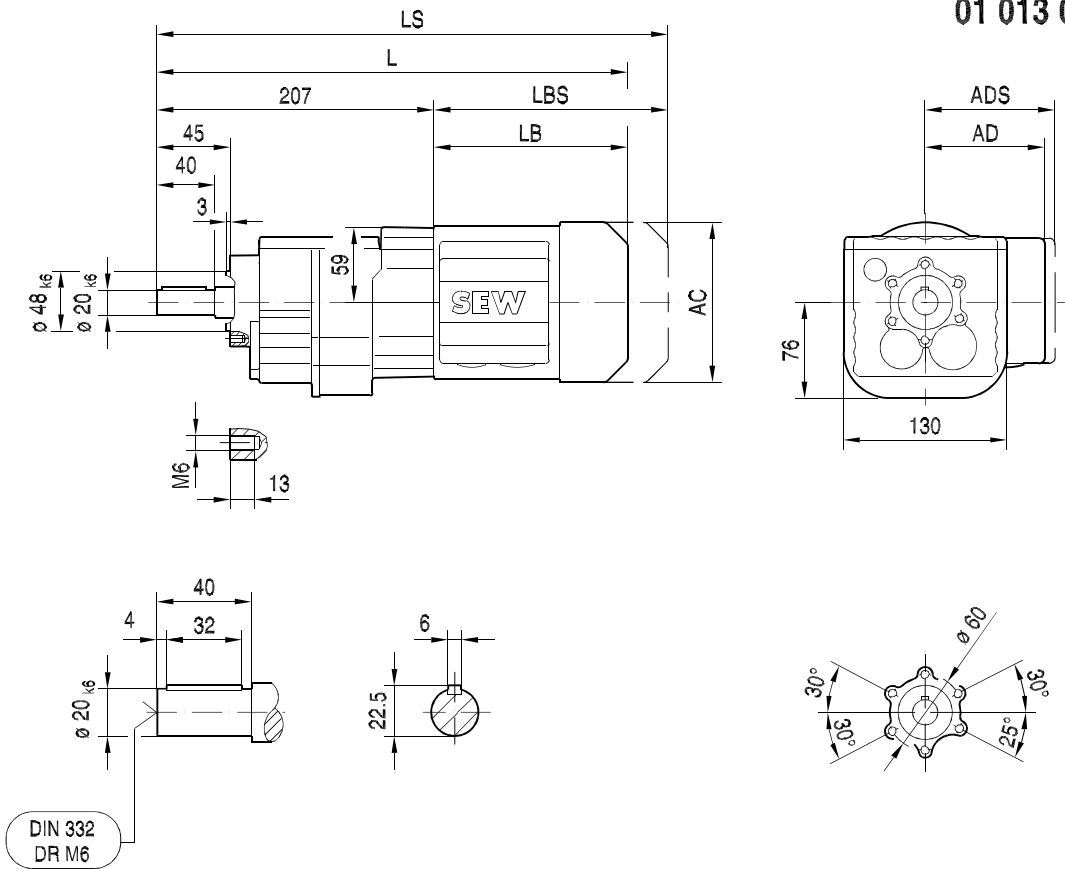


(→ 14)	DR63..	DT71D	DT80..							
AC	132	145	145							
AD	105	122	122							
ADS	105	127	127							
L	364	379	429							
LS	419	442	492							
LB	149	164	214							
LBS	204	227	277							



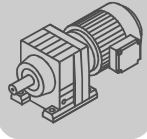
RZ17..

01 013 00 06

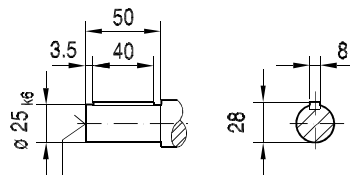
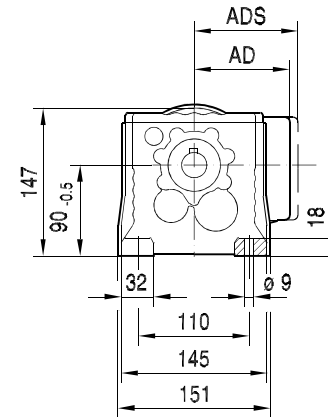
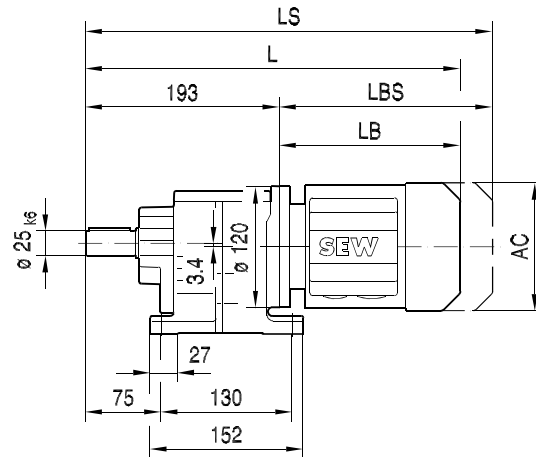
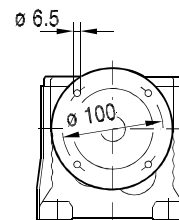
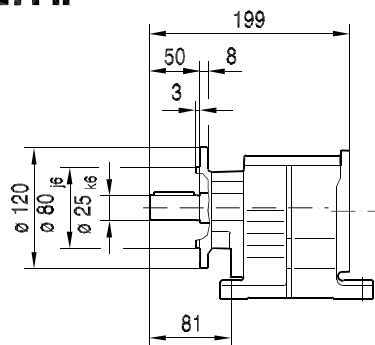


3

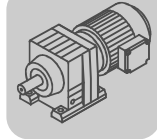
(→ 14)	DR63..	DT71D	DT80..								
AC	132	145	145								
AD	105	122	122								
ADS	105	127	127								
L	364	379	429								
LS	419	442	492								
LB	149	164	214								
LBS	204	227	277								



04 002 03 00

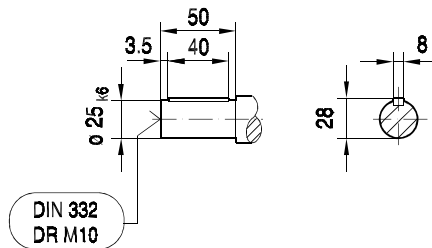
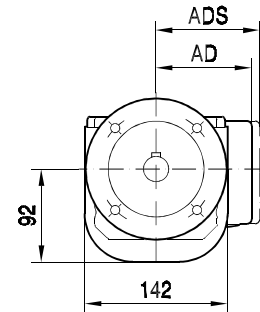
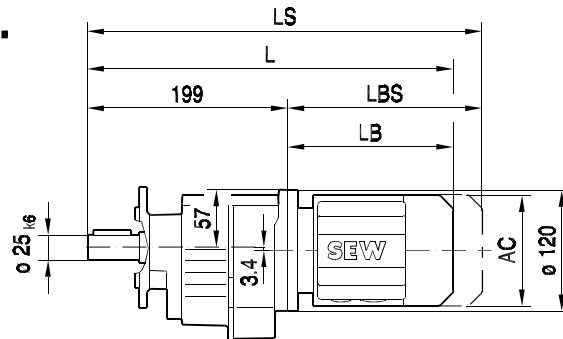
R27..DIN 332
DR M10**R27F..**

(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L					
AC	132	145	145	197	197	197					
AD	105	122	122	154	166	166					
ADS	105	127	127	161	166	166					
L	384	399	449	469	521	551					
LS	439	462	512	554	606	636					
LB	191	206	256	276	328	358					
LBS	246	269	319	361	413	443					

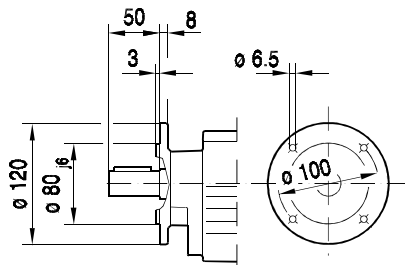


04 015 03 00

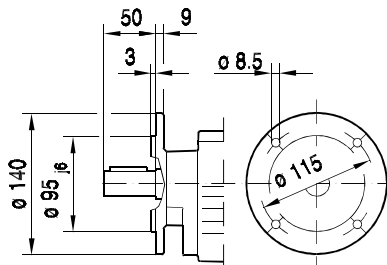
RF27..



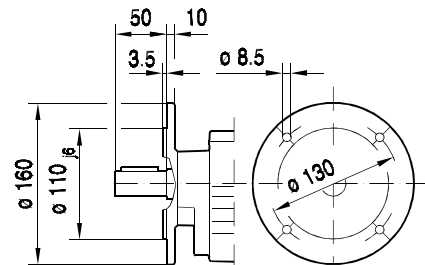
$\varnothing 120$



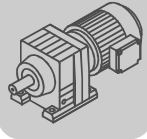
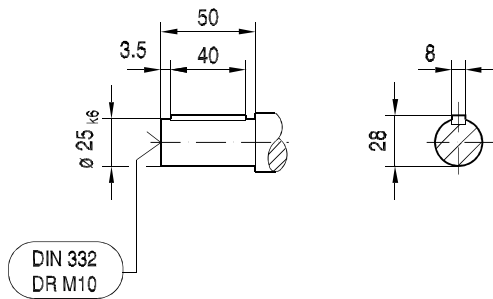
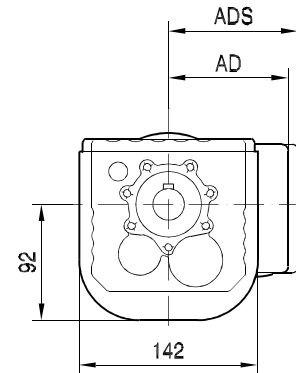
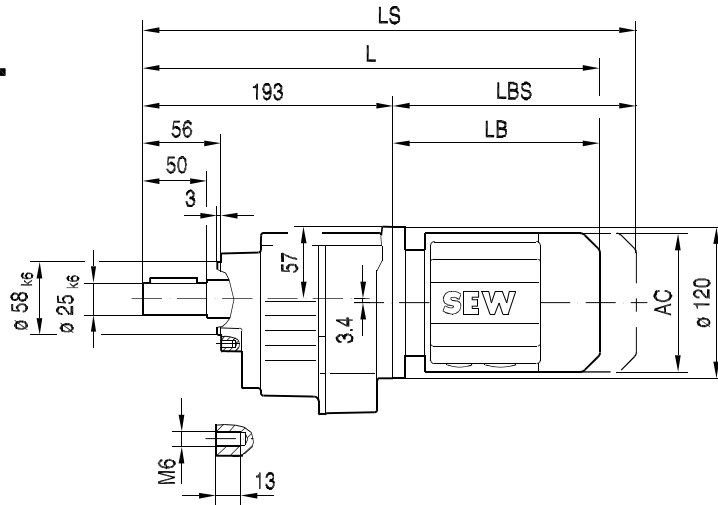
$\varnothing 140$



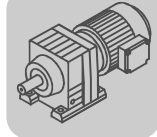
$\varnothing 160$



(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L					
AC	132	145	145	197	197	197					
AD	105	122	122	154	166	166					
ADS	105	127	127	161	166	166					
L	390	405	455	475	527	557					
LS	445	468	518	560	612	642					
LB	191	206	256	276	328	358					
LBS	246	269	319	361	413	443					

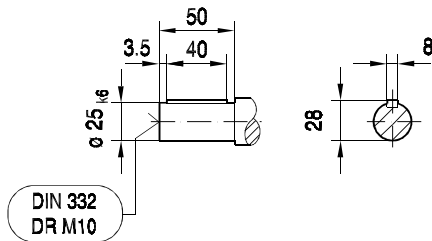
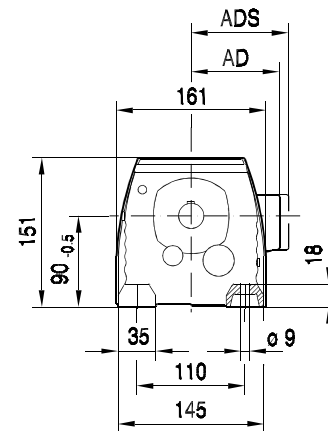
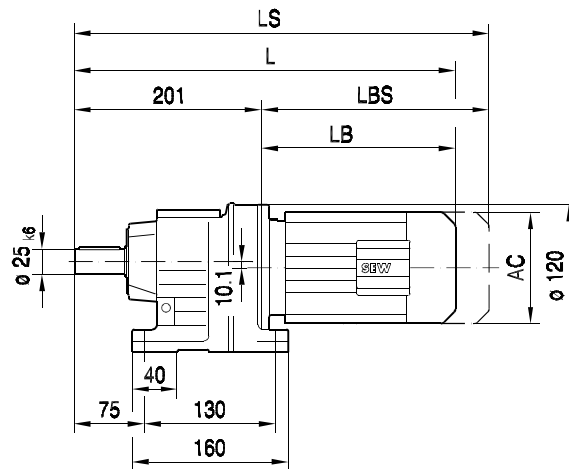

RZ27..
01 014 00 06

DIN 332
DR M10

(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L					
AC	132	145	145	197	197	197					
AD	105	122	122	154	166	166					
ADS	105	127	127	161	166	166					
L	390	405	455	475	527	557					
LS	445	468	518	560	612	642					
LB	191	206	256	276	328	358					
LBS	246	269	319	361	413	443					

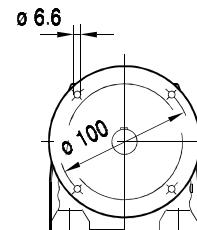
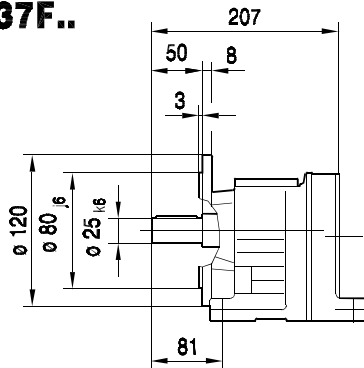


04 003 03 00

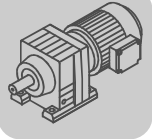
R37..



R37F..

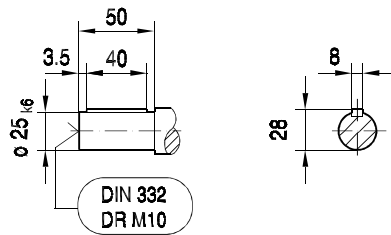
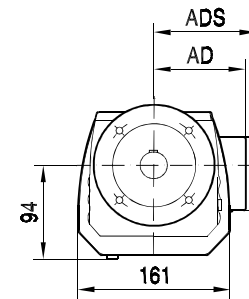
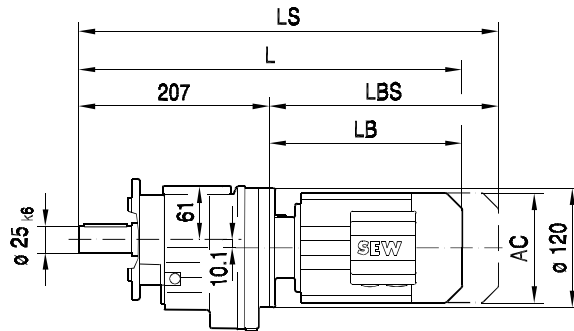


(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L				
AC	132	145	145	197	197	197				
AD	105	122	122	154	166	166				
ADS	105	127	127	161	166	166				
L	392	407	457	477	529	559				
LS	447	470	520	562	614	644				
LB	191	206	256	276	328	358				
LBS	246	269	319	361	413	443				

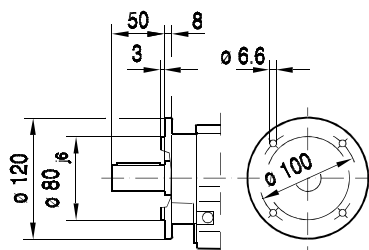


RF37..

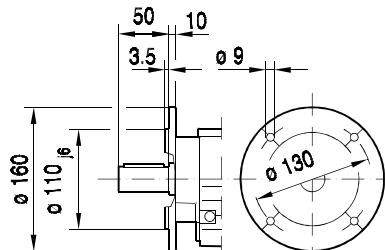
04 016 03 00



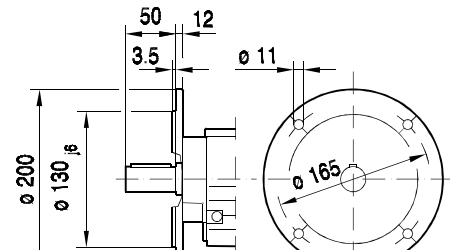
$\phi 120$



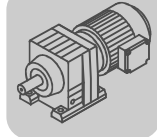
$\phi 160$



$\phi 200$

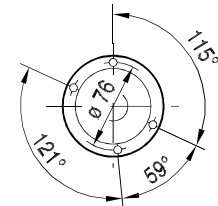
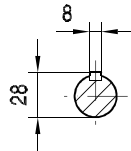
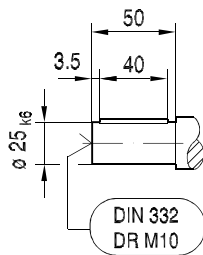
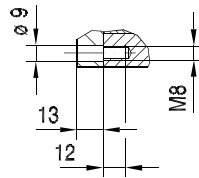
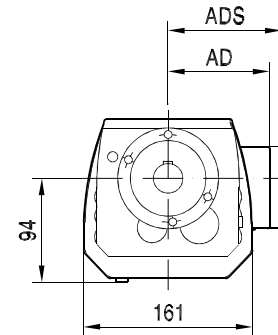
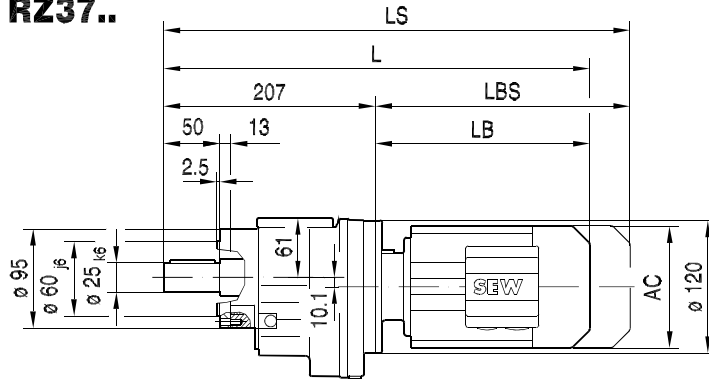


(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L					
AC	132	145	145	197	197	197					
AD	105	122	122	154	166	166					
ADS	105	127	127	161	166	166					
L	398	413	463	483	535	565					
LS	453	476	526	568	620	650					
LB	191	206	256	276	328	358					
LBS	246	269	319	361	413	443					



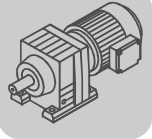
RZ37..

01 015 00 06

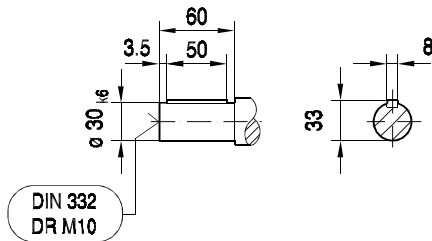
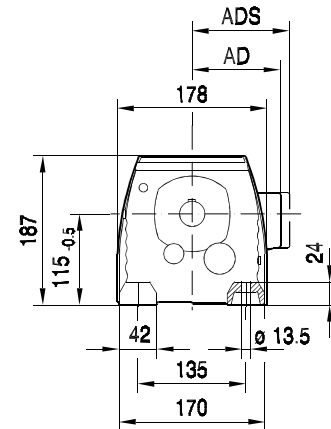
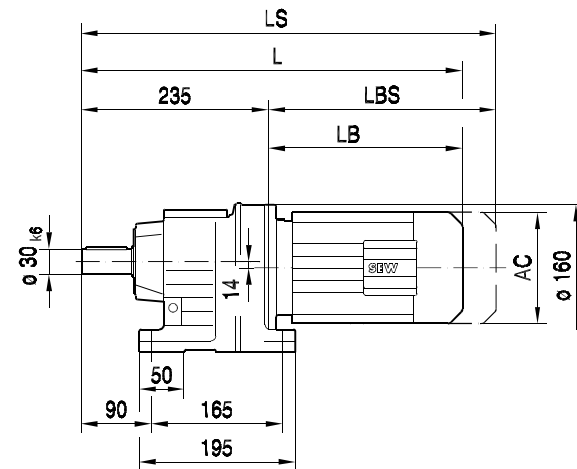
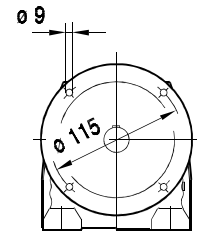
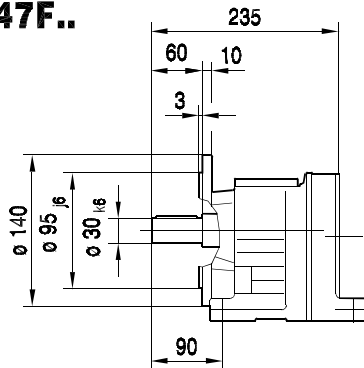


3

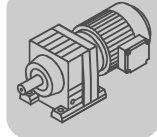
(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L					
AC	132	145	145	197	197	197					
AD	105	122	122	154	166	166					
ADS	105	127	127	161	166	166					
L	398	413	463	483	535	565					
LS	453	476	526	568	620	650					
LB	191	206	256	276	328	358					
LBS	246	269	319	361	413	443					



04 004 03 00

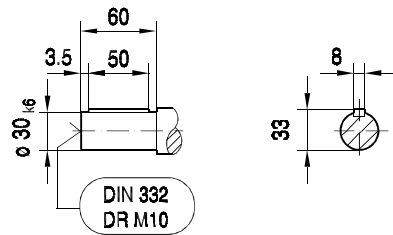
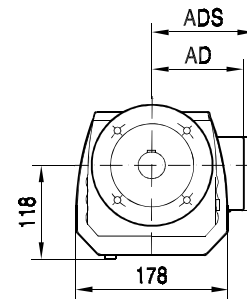
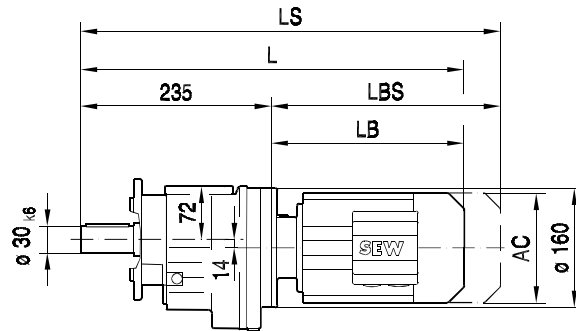
R47..**R47F..**

(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S			
AC	132	145	145	197	197	197	221	221			
AD	105	122	122	154	166	166	179	179			
ADS	105	127	127	161	166	166	182	182			
L	420	434	484	504	554	584	589	637			
LS	475	498	548	589	639	669	669	717			
LB	185	199	249	269	319	349	354	402			
LBS	240	263	313	354	404	434	434	482			

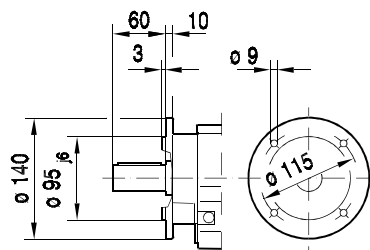


RF47..

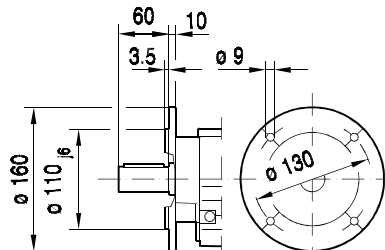
04 017 03 00



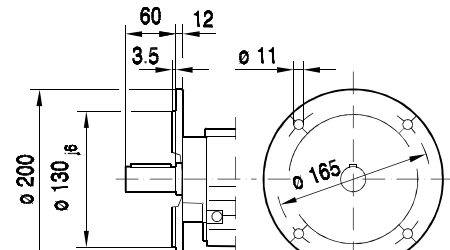
$\varnothing 140$



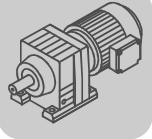
$\varnothing 160$



$\varnothing 200$

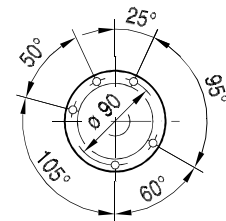
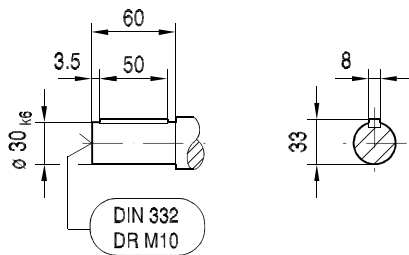
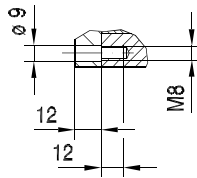
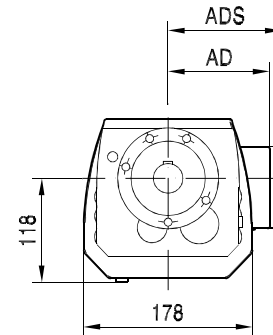
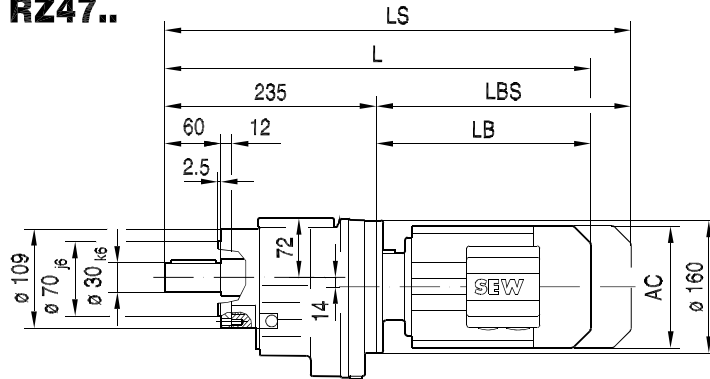


(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S			
AC	132	145	145	197	197	197	221	221			
AD	105	122	122	154	166	166	179	179			
ADS	105	127	127	161	166	166	182	182			
L	420	434	484	504	554	584	589	637			
LS	475	498	548	589	639	669	669	717			
LB	185	199	249	269	319	349	354	402			
LBS	240	263	313	354	404	434	434	482			

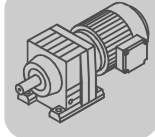


RZ47..

01 016 00 06

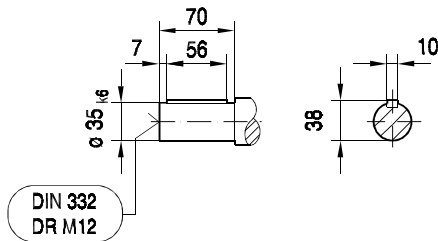
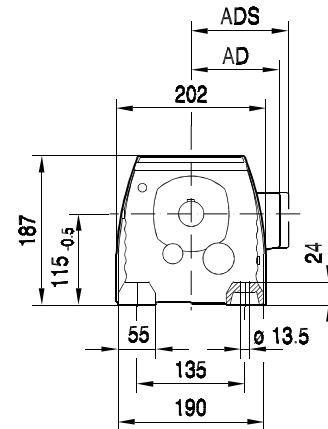
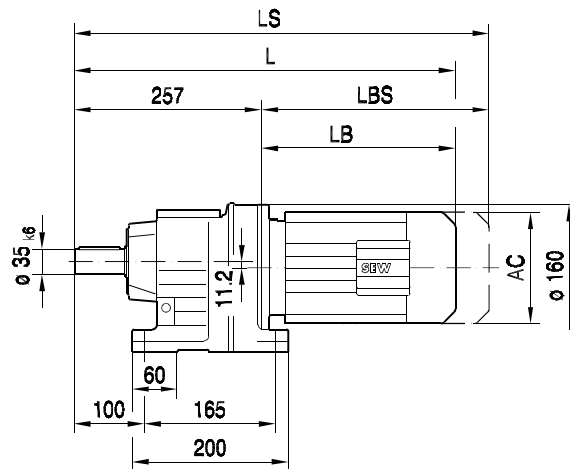


(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S			
AC	132	145	145	197	197	197	221	221			
AD	105	122	122	154	166	166	179	179			
ADS	105	127	127	161	166	166	182	182			
L	420	434	484	504	554	584	589	637			
LS	475	498	548	589	639	669	669	717			
LB	185	199	249	269	319	349	354	402			
LBS	240	263	313	354	404	434	434	482			

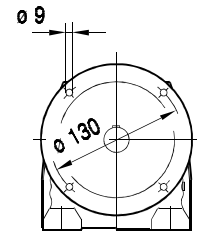
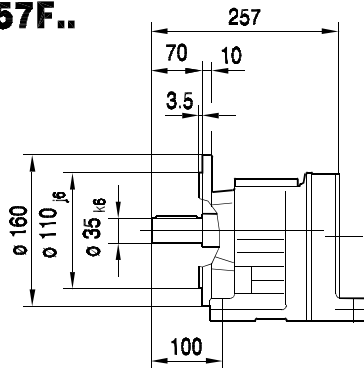


04 005 02 00

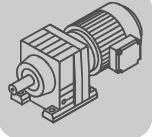
R57..



R57F..

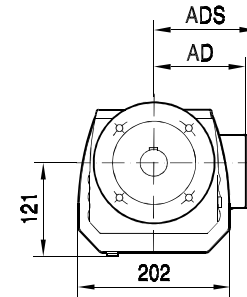
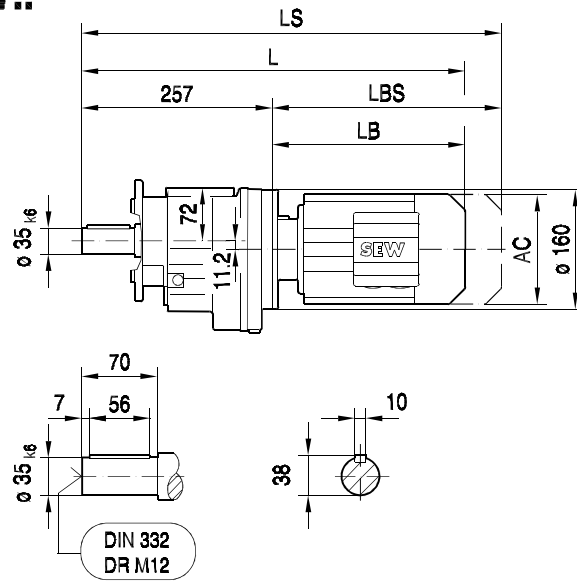


(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M		
AC	132	145	145	197	197	197	221	221	275		
AD	105	122	122	154	166	166	179	179	230		
ADS	105	127	127	161	166	166	182	182	230		
L	442	456	506	526	576	606	611	659	681		
LS	497	520	570	611	661	691	691	739	793		
LB	185	199	249	269	319	349	354	402	424		
LBS	240	263	313	354	404	434	434	482	536		

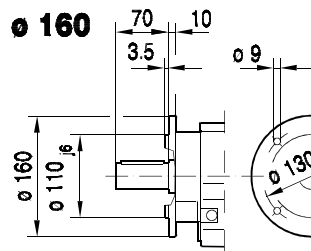


RF57..

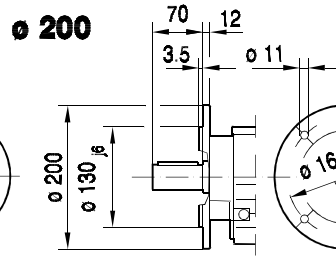
04 018 02 00



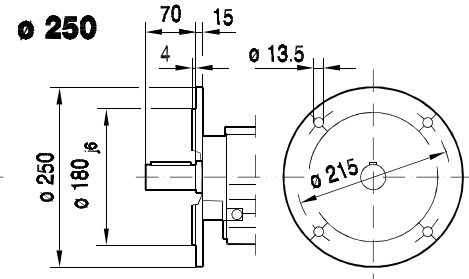
$\varnothing 160$



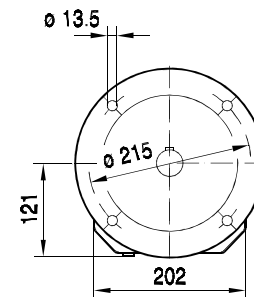
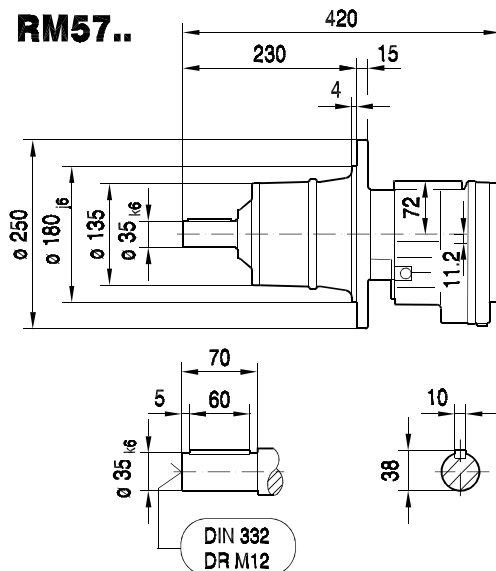
$\varnothing 200$



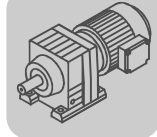
$\varnothing 250$



RM57..

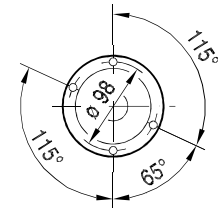
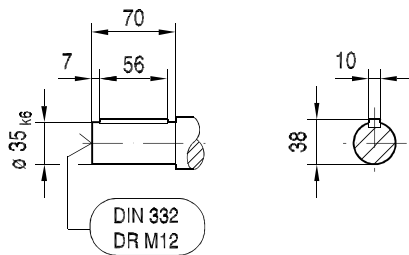
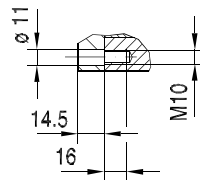
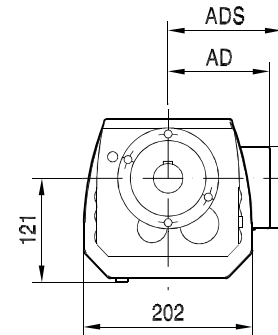
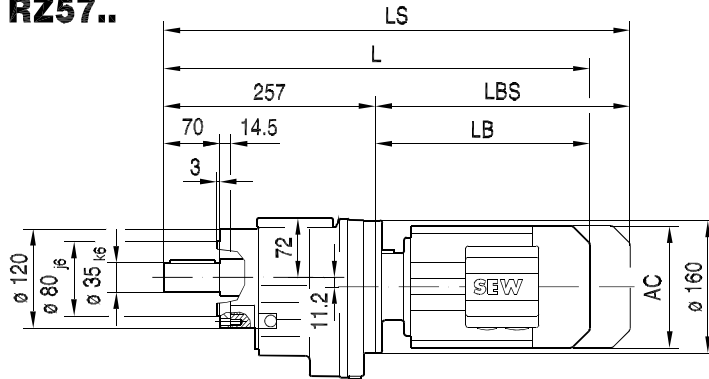


(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M		
AC	132	145	145	197	197	197	221	221	275		
AD	105	122	122	154	166	166	179	179	230		
ADS	105	127	127	161	166	166	182	182	230		
L	442	456	506	526	576	606	611	659	681		
LS	497	520	570	611	661	691	691	739	793		
LB	185	199	249	269	319	349	354	402	424		
LBS	240	263	313	354	404	434	434	482	536		

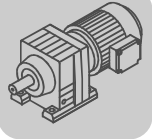


RZ57..

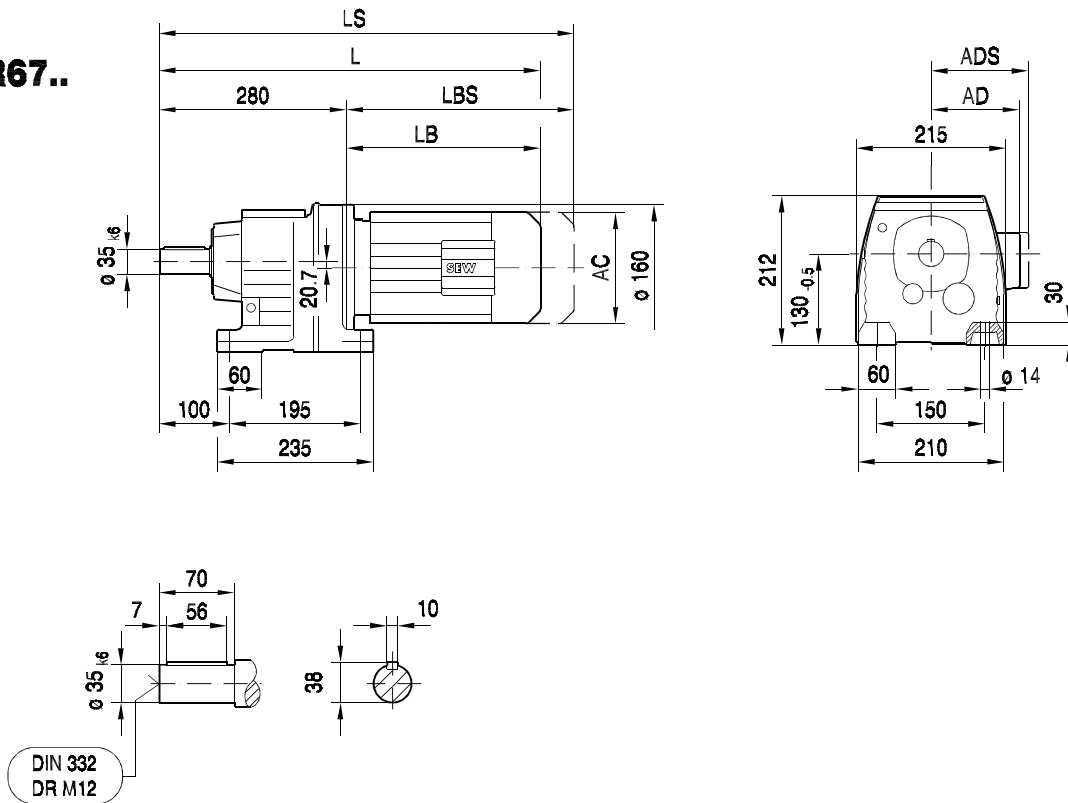
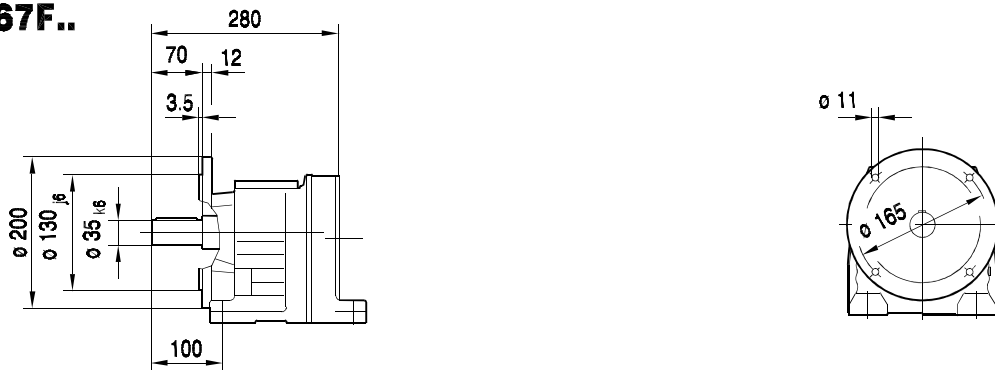
01 017 00 06



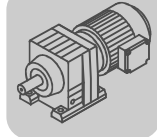
(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M		
AC	132	145	145	197	197	197	221	221	275		
AD	105	122	122	154	166	166	179	179	230		
ADS	105	127	127	161	166	166	182	182	230		
L	442	456	506	526	576	606	611	659	681		
LS	497	520	570	611	661	691	691	739	793		
LB	185	199	249	269	319	349	354	402	424		
LBS	240	263	313	354	404	434	434	482	536		



04 006 02 00

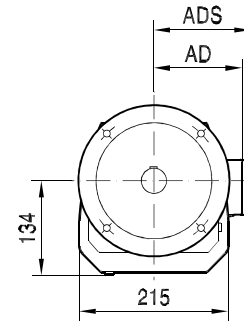
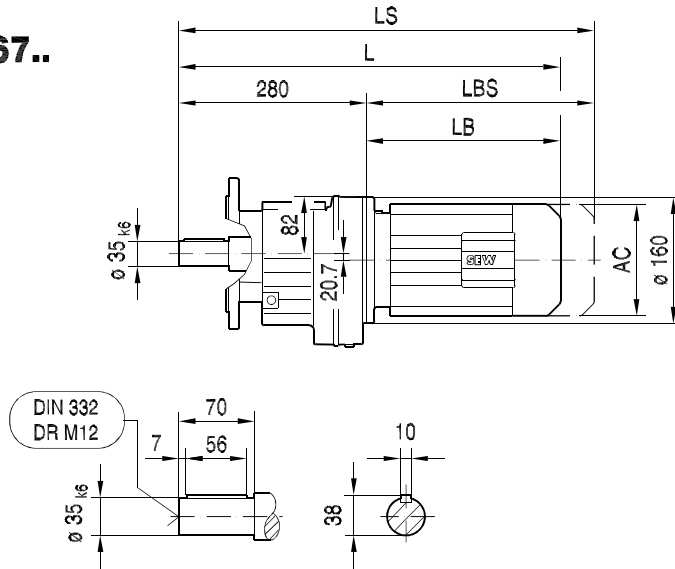
R67..**R67F..**

(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M		
AC	132	145	145	197	197	197	221	221	275		
AD	105	122	122	154	166	166	179	179	230		
ADS	105	127	127	161	166	166	182	182	230		
L	465	479	529	549	599	629	634	682	704		
LS	520	543	593	634	684	714	714	762	816		
LB	185	199	249	269	319	349	354	402	424		
LBS	240	263	313	354	404	434	434	482	536		

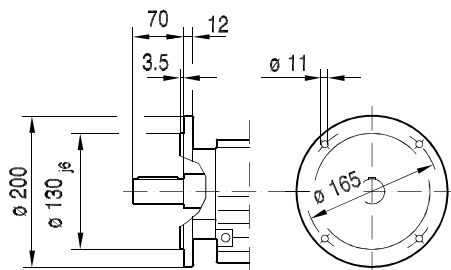


04 019 02 00

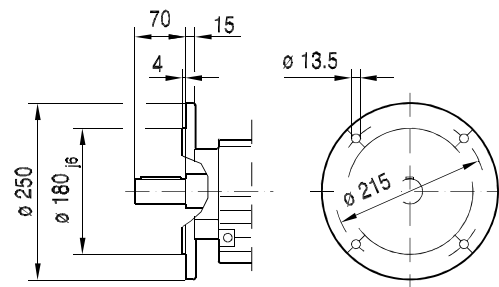
RF67..



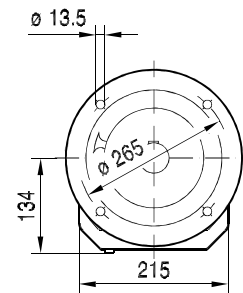
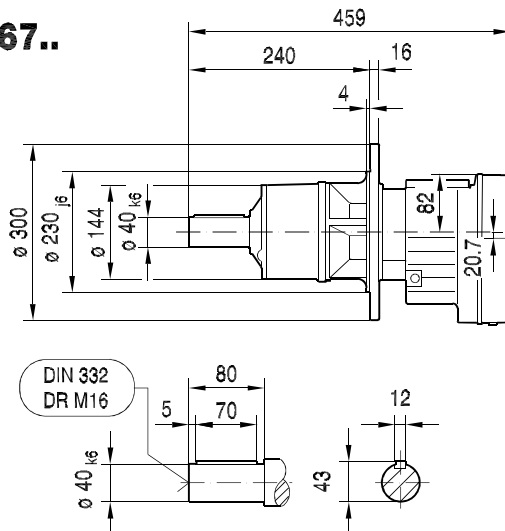
ø 200



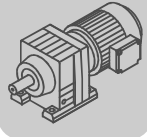
ø 250



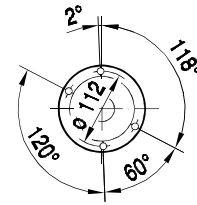
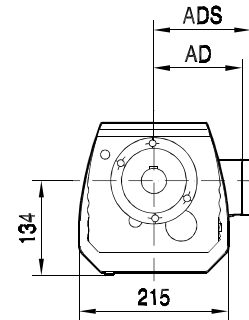
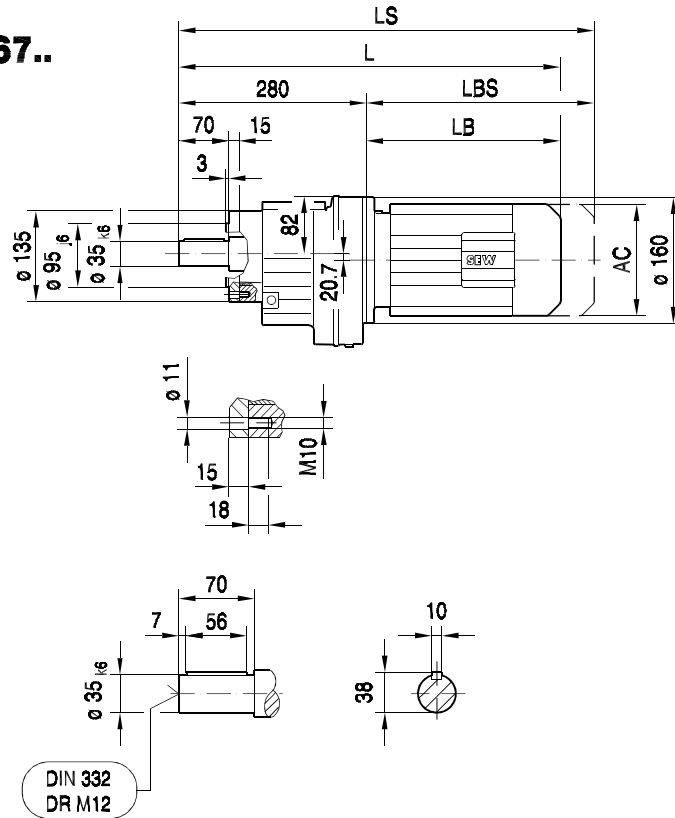
RM67..



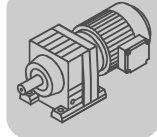
(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M		
AC	132	145	145	197	197	197	221	221	275		
AD	105	122	122	154	166	166	179	179	230		
ADS	105	127	127	161	166	166	182	182	230		
L	465	479	529	549	599	629	634	682	704		
LS	520	543	593	634	684	714	714	762	816		
LB	185	199	249	269	319	349	354	402	424		
LBS	240	263	313	354	404	434	434	482	536		



01 018 00 06

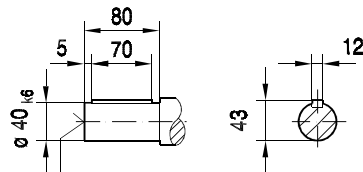
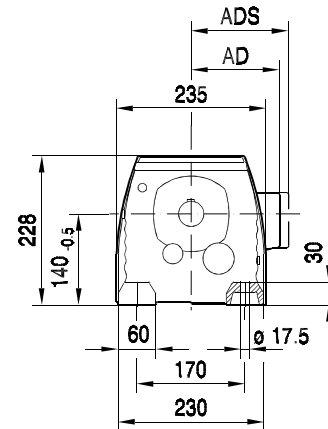
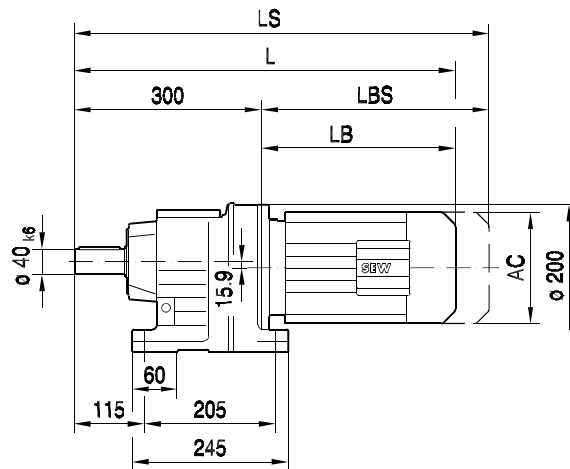
RZ67..

(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M		
AC	132	145	145	197	197	197	221	221	275		
AD	105	122	122	154	166	166	179	179	230		
ADS	105	127	127	161	166	166	182	182	230		
L	465	479	529	549	599	629	634	682	704		
LS	520	543	593	634	684	714	714	762	816		
LB	185	199	249	269	319	349	354	402	424		
LBS	240	263	313	354	404	434	434	482	536		



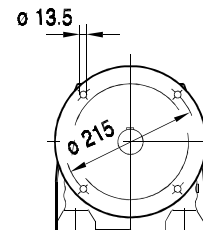
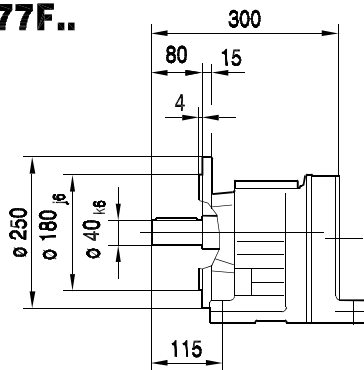
04 007 02 00

R77..

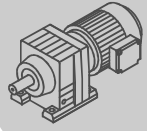


DIN 332
DR M16

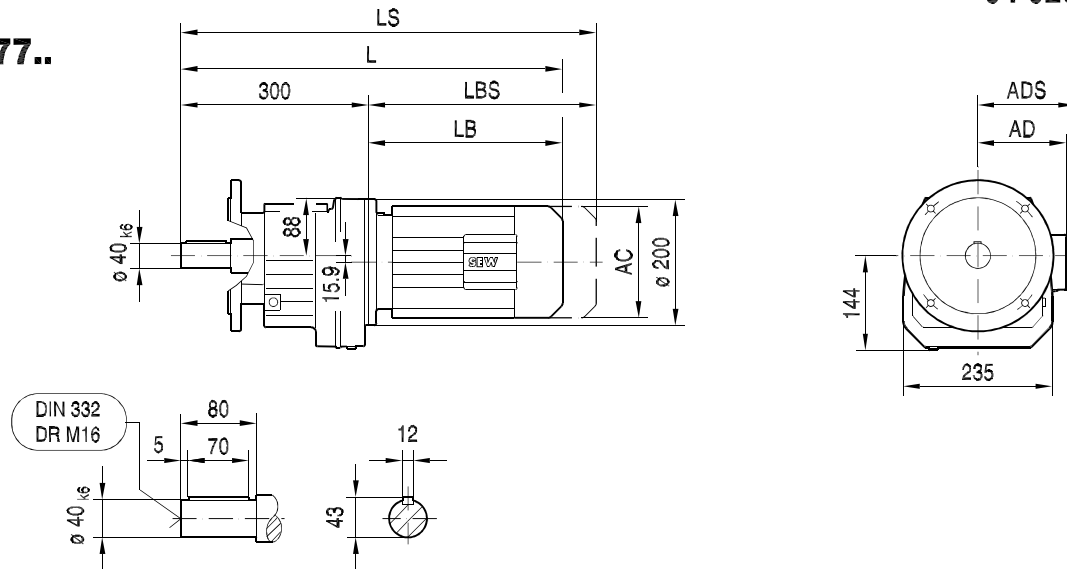
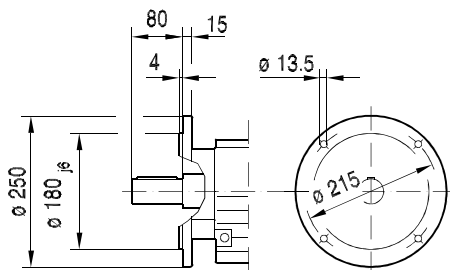
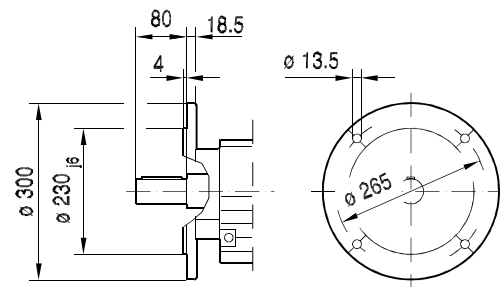
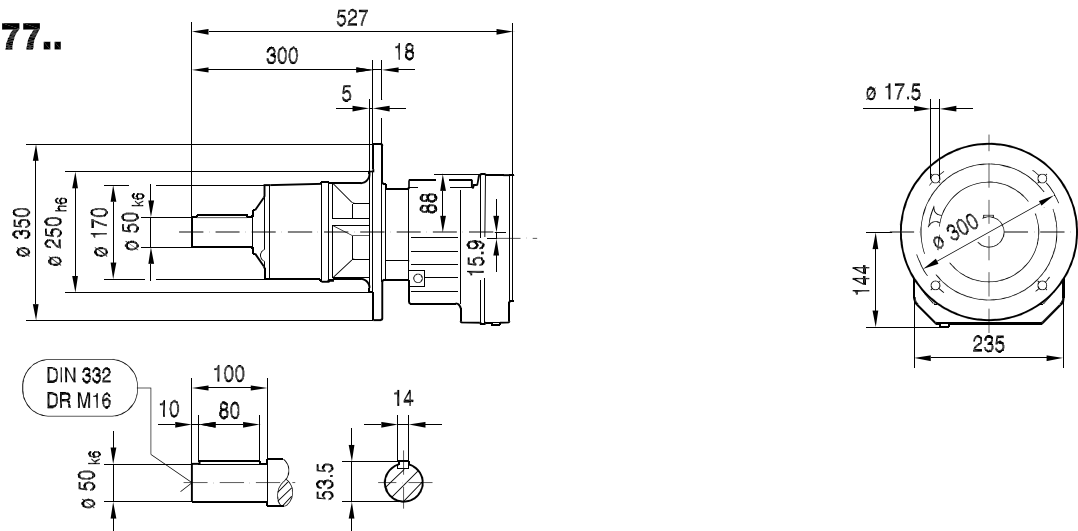
R77F..



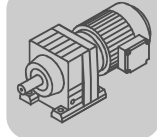
(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M
AC	132	145	145	197	197	197	221	221	275	275	275
AD	105	122	122	154	166	166	179	179	230	230	230
ADS	105	127	127	161	166	166	182	182	230	230	230
L	479	493	543	561	611	641	645	690	712	772	772
LS	534	557	607	646	696	726	725	770	824	884	884
LB	179	193	243	261	311	341	345	390	412	472	472
LBS	234	257	307	346	396	426	425	470	524	584	584



04 020 02 00

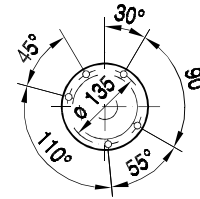
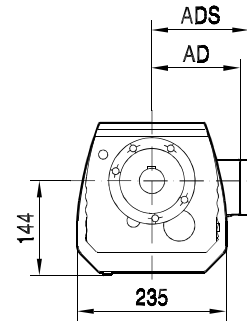
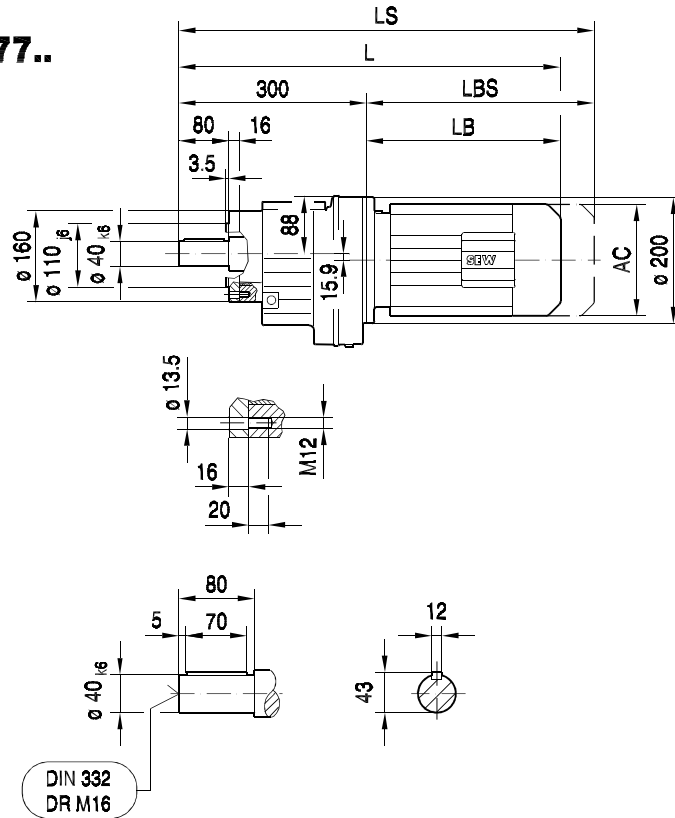
RF77.. **$\varnothing 250$**  **$\varnothing 300$** **RM77..**

(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M
AC	132	145	145	197	197	197	221	221	275	275	275
AD	105	122	122	154	166	166	179	179	230	230	230
ADS	105	127	127	161	166	166	182	182	230	230	230
L	479	493	543	561	611	641	645	690	712	772	772
LS	534	557	607	646	696	726	725	770	824	884	884
LB	179	193	243	261	311	341	345	390	412	472	472
LBS	234	257	307	346	396	426	425	470	524	584	584

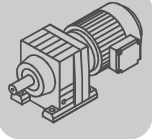


01 019 00 06

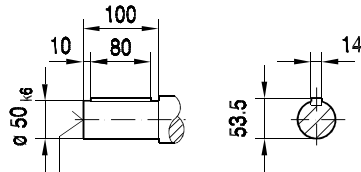
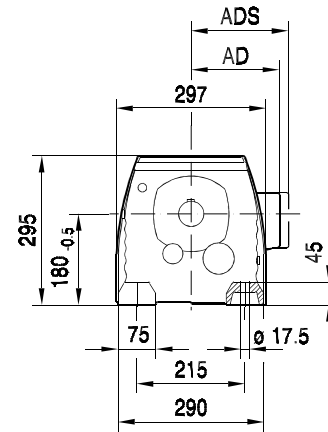
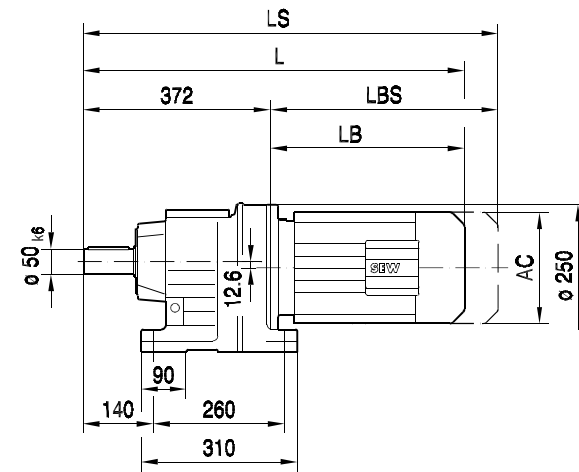
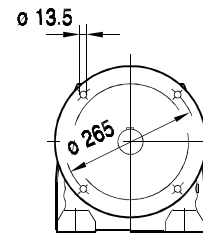
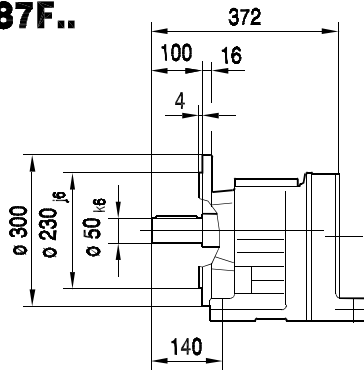
RZ77..



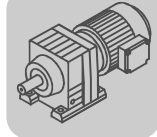
(→ 14)	DR63..	DT71D	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M
AC	132	145	145	197	197	197	221	221	275	275	275
AD	105	122	122	154	166	166	179	179	230	230	230
ADS	105	127	127	161	166	166	182	182	230	230	230
L	479	493	543	561	611	641	645	690	712	772	772
LS	534	557	607	646	696	726	725	770	824	884	884
LB	179	193	243	261	311	341	345	390	412	472	472
LBS	234	257	307	346	396	426	425	470	524	584	584



04 008 03 00

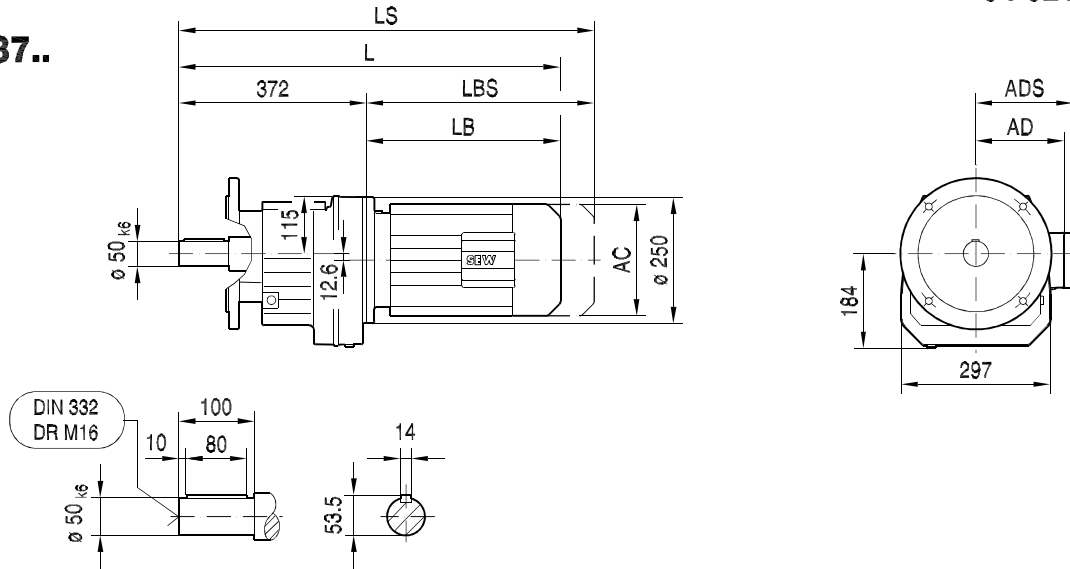
R87..DIN 332
DR M16**R87F..**

(→ 14)	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..
AC	145	197	197	197	221	221	275	275	275	331	331
AD	122	154	166	166	179	179	230	230	230	258	258
ADS	127	161	166	166	182	182	230	230	230	258	258
L	610	629	679	709	712	757	779	839	839	886	958
LS	674	714	764	794	792	837	891	951	951	1042	1114
LB	238	257	307	337	340	385	407	467	467	514	586
LBS	302	342	392	422	420	465	519	579	579	670	742

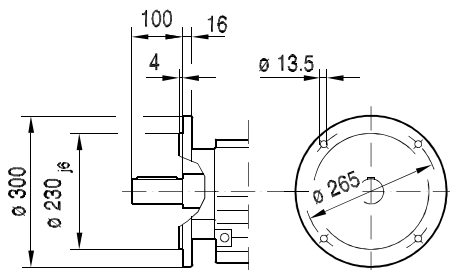


04 021 03 00

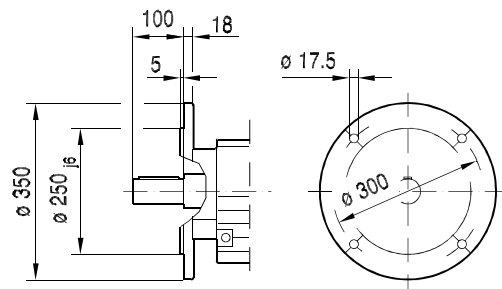
RF87..



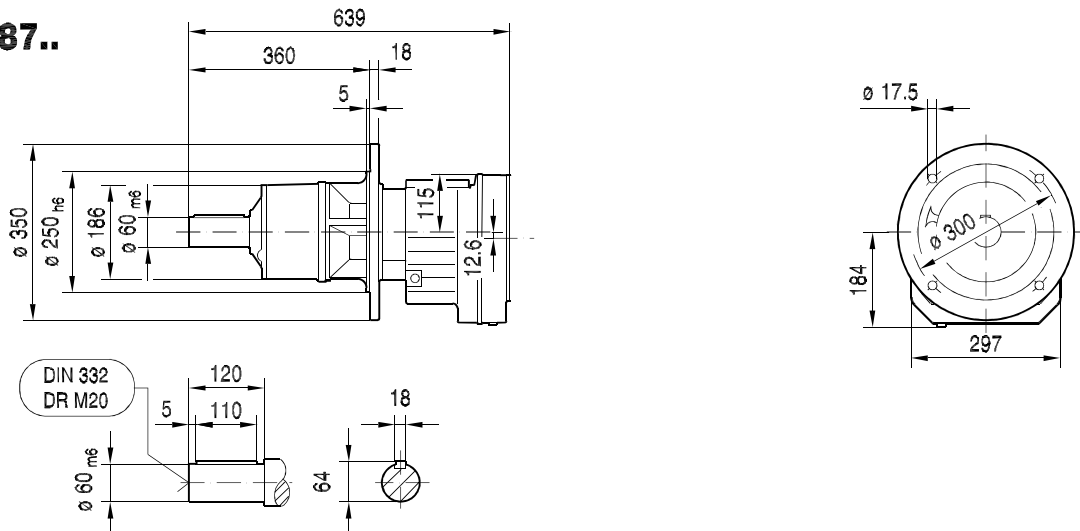
ø 300



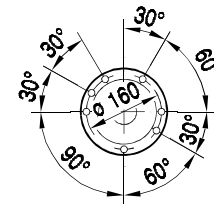
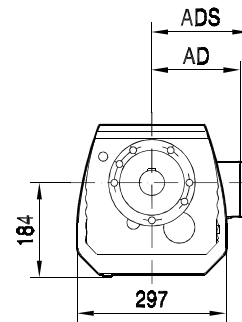
ø 350

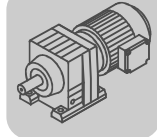


RM87..



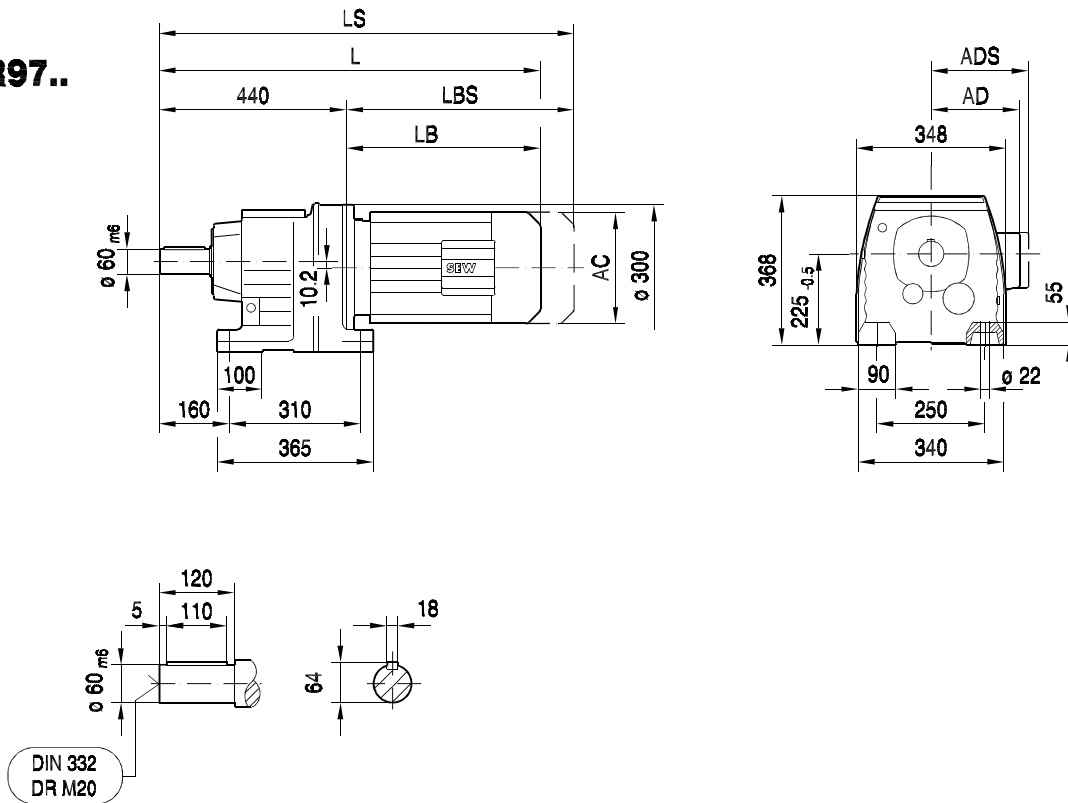
(→ 14)	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..
AC	145	197	197	197	221	221	275	275	275	331	331
AD	122	154	166	166	179	179	230	230	230	258	258
ADS	127	161	166	166	182	182	230	230	230	258	258
L	610	629	679	709	712	757	779	839	839	886	958
LS	674	714	764	794	792	837	891	951	951	1042	1114
LB	238	257	307	337	340	385	407	467	467	514	586
LBS	302	342	392	422	420	465	519	579	579	670	742

[illegible]156



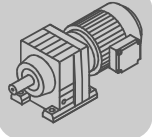
04 009 03 00

R97..

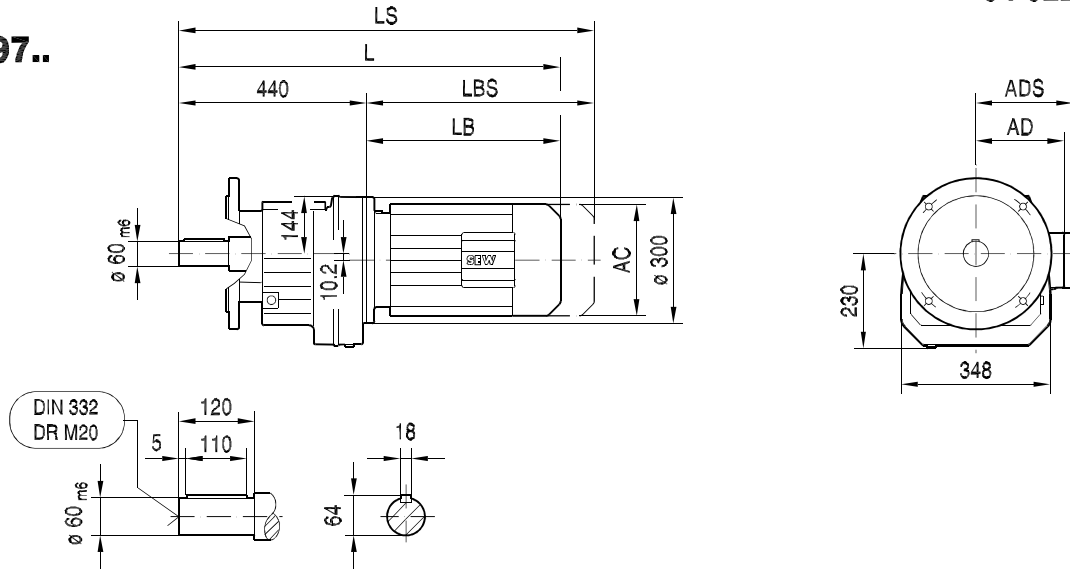
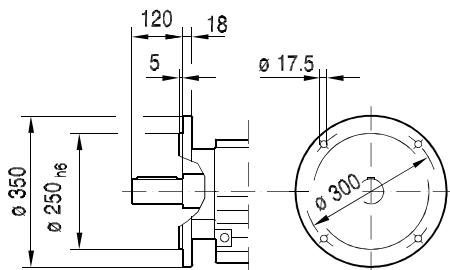
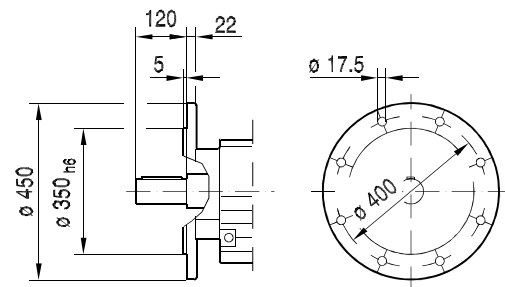
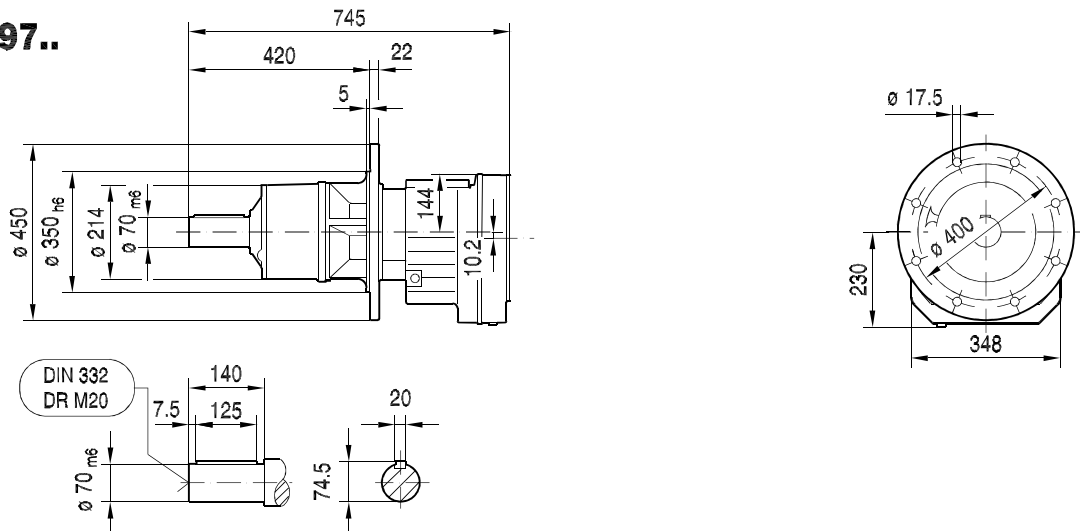


3

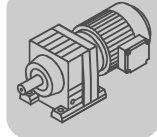
(→ 14)	DT80..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..	DV200..
AC	145	197	197	197	221	221	275	275	275	331	331	394
AD	122	154	166	166	179	179	230	230	230	258	258	285
ADS	127	161	166	166	182	182	230	230	230	258	258	285
L	671	691	741	771	775	820	842	902	902	949	1021	1069
LS	735	776	826	856	855	900	954	1014	1014	1105	1177	1225
LB	231	251	301	331	335	380	402	462	462	509	581	629
LBS	295	336	386	416	415	460	514	574	574	665	737	785



04 022 03 00

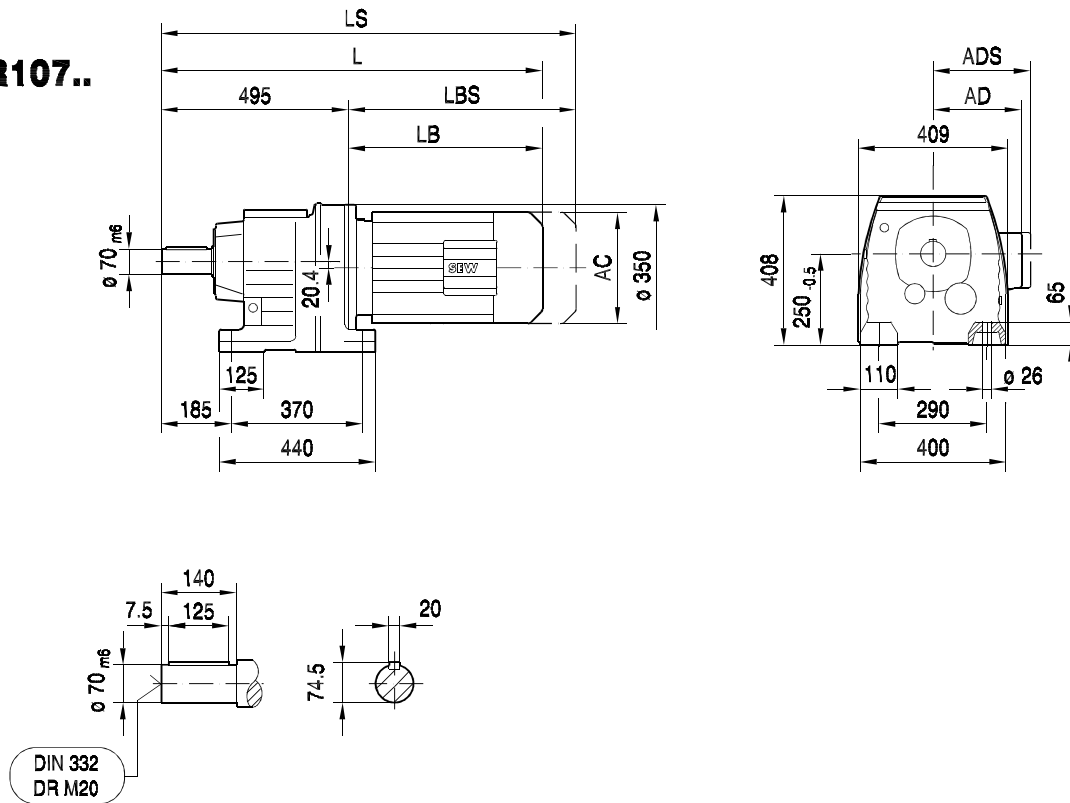
RF97..**ø 350****ø 450****RM97..**

(→ 14)	DT90..	DT90..	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..	DV200..
AC	145	197	197	197	221	221	275	275	275	331	331	394
AD	122	154	166	166	179	179	230	230	230	258	258	285
ADS	127	161	166	166	182	182	230	230	230	258	258	285
L	671	691	741	771	775	820	842	902	902	949	1021	1069
LS	735	776	826	856	855	900	954	1014	1014	1105	1177	1225
LB	231	251	301	331	335	380	402	462	462	509	581	629
LBS	295	336	386	416	415	460	514	574	574	665	737	785



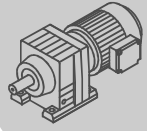
04 010 03 00

R107..

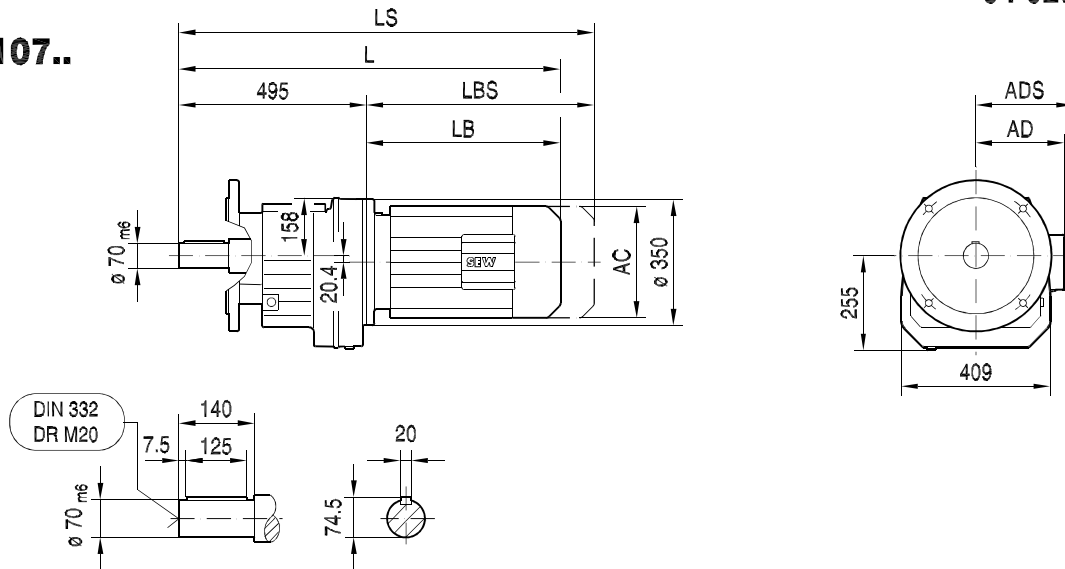
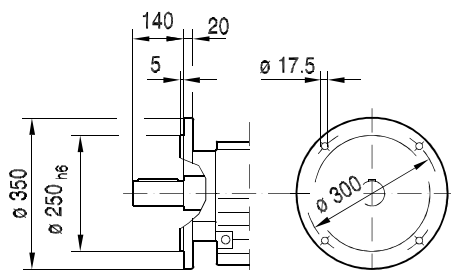
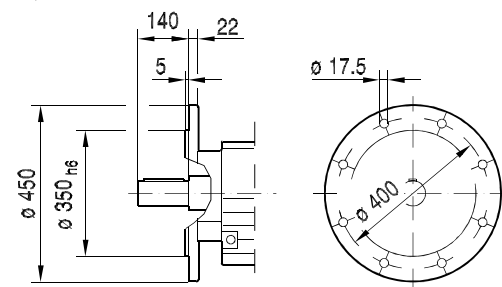
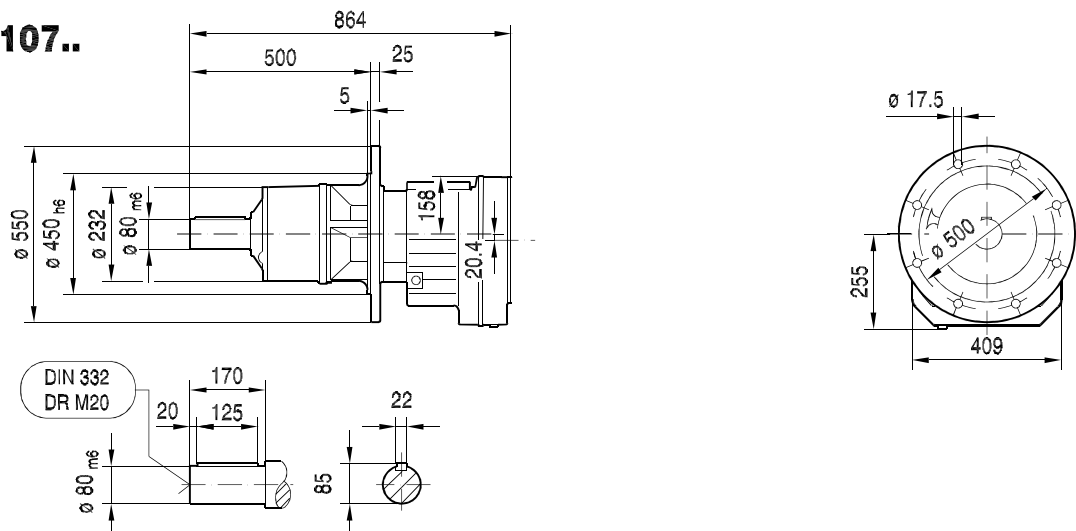


3

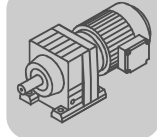
(→ 14)	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..	DV200..	DV225..
AC	197	197	221	221	275	275	275	331	331	394	394
AD	166	166	179	179	230	230	230	258	258	285	289
ADS	166	166	182	182	230	230	230	258	258	285	289
L	790	820	824	869	891	951	951	998	1070	1118	1200
LS	875	905	904	949	1003	1063	1063	1154	1226	1274	1356
LB	295	325	329	374	396	456	456	503	575	623	705
LBS	380	410	409	454	508	568	568	659	731	779	861



04 023 03 00

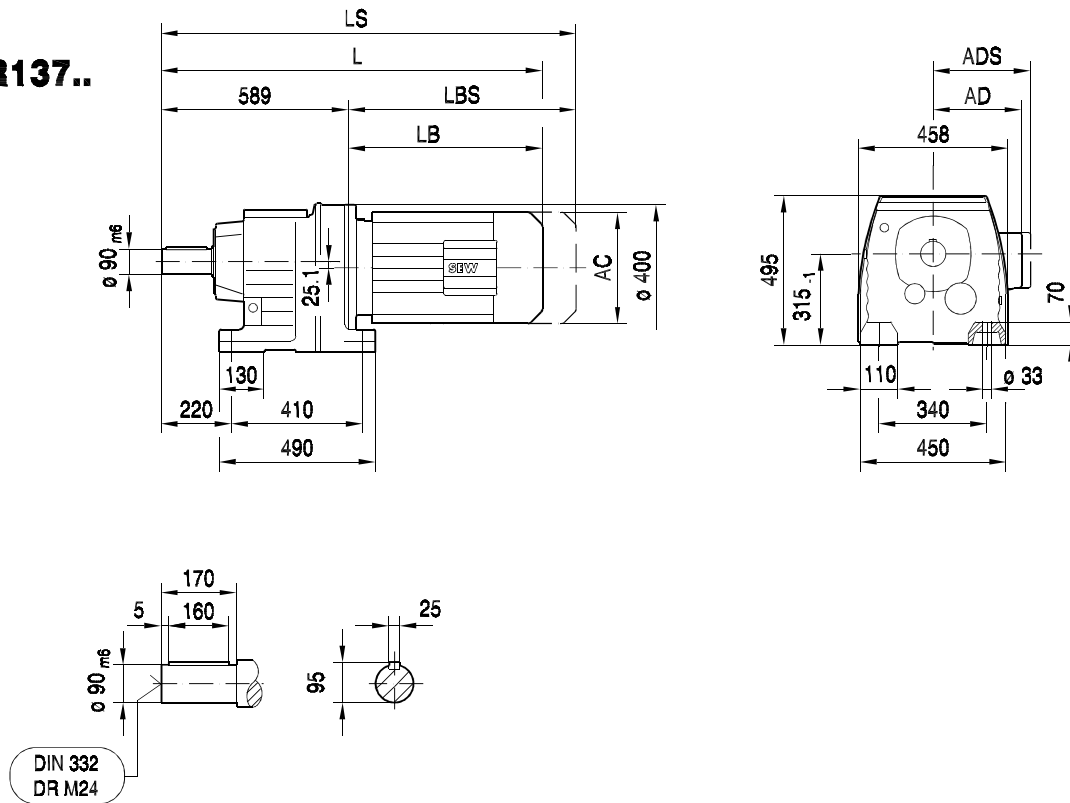
RF107..**ø 350****ø 450****RM107..**

(→ 14)	DV100M	DV100L	DV112M	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..	DV200..	DV225..
AC	197	197	221	221	275	275	275	331	331	394	394
AD	166	166	179	179	230	230	230	258	258	285	289
ADS	166	166	182	182	230	230	230	258	258	285	289
L	790	820	824	869	891	951	951	998	1070	1118	1200
LS	875	905	904	949	1003	1063	1063	1154	1226	1274	1356
LB	295	325	329	374	396	456	456	503	575	623	705
LBS	380	410	409	454	508	568	568	659	731	779	861



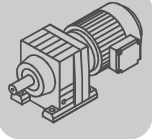
04 011 03 00

R137..

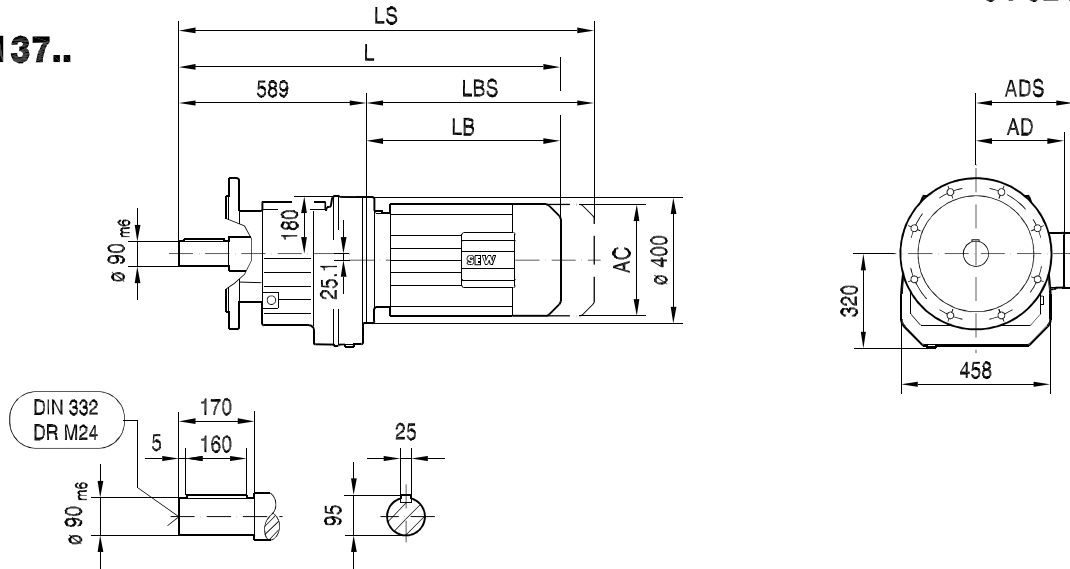
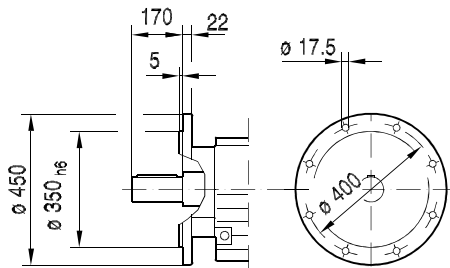
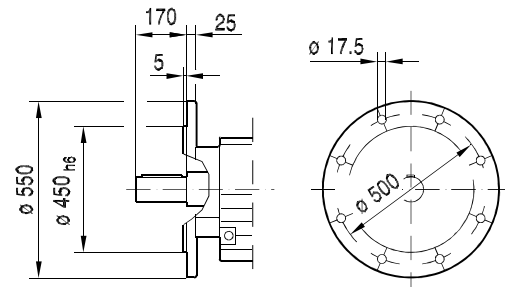
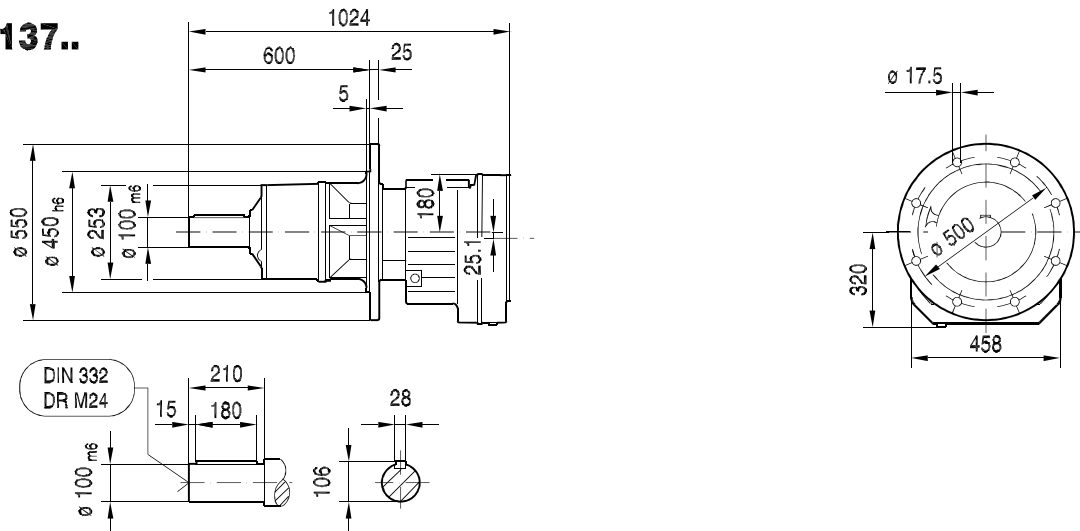


3

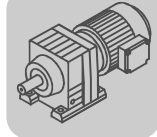
(→ 14)	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..	DV200..	DV225..	DV250M		
AC	221	275	275	275	331	331	394	394	510		
AD	179	230	230	230	258	258	285	289	397		
ADS	182	230	230	230	258	258	285	289	397		
L	956	978	1038	1038	1085	1157	1205	1287	1378		
LS	1036	1090	1150	1150	1241	1313	1361	1443	1563		
LB	367	389	449	449	496	568	616	698	789		
LBS	447	501	561	561	652	724	772	854	974		



04 024 03 00

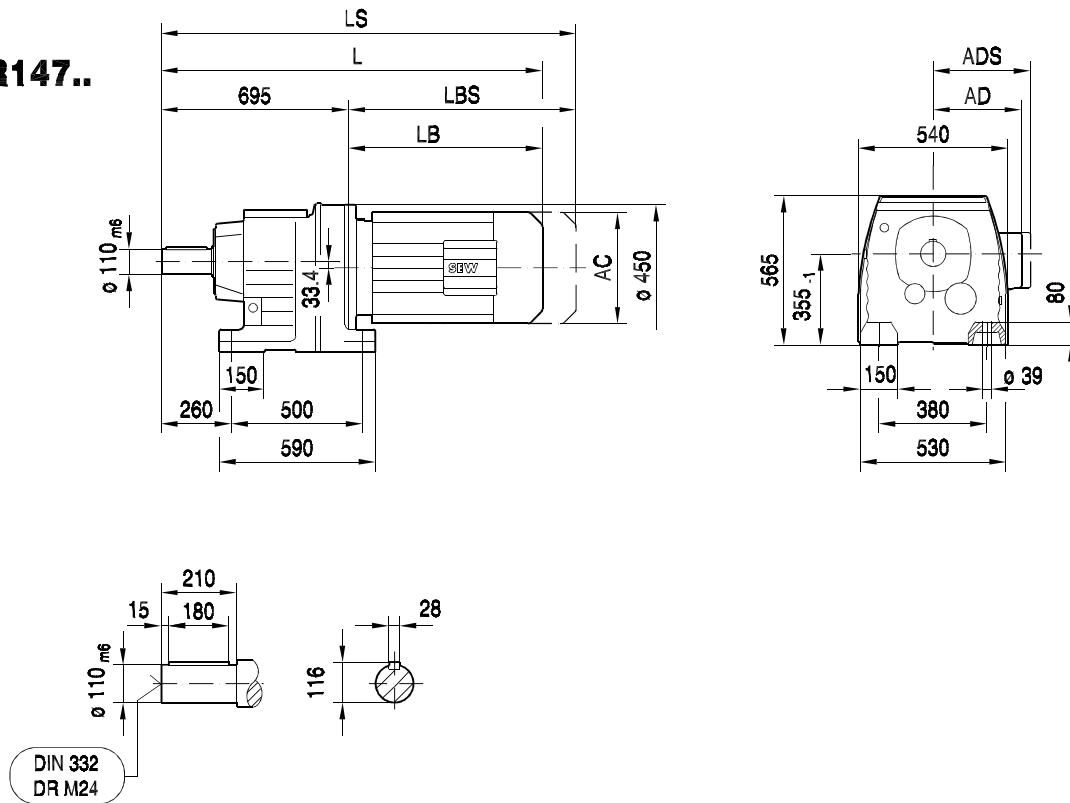
RF137..**ø 450****ø 550****RM137..**

(→ 14)	DV132S	DV132M	DV132ML	DV160M	DV160L	DV180..	DV200..	DV225..	DV250M		
AC	221	275	275	275	331	331	394	394	510		
AD	179	230	230	230	258	258	285	289	397		
ADS	182	230	230	230	258	258	285	289	397		
L	956	978	1038	1038	1085	1157	1205	1287	1378		
LS	1036	1090	1150	1150	1241	1313	1361	1443	1563		
LB	367	389	449	449	496	568	616	698	789		
LBS	447	501	561	561	652	724	772	854	974		



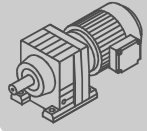
04 012 03 00

R147..

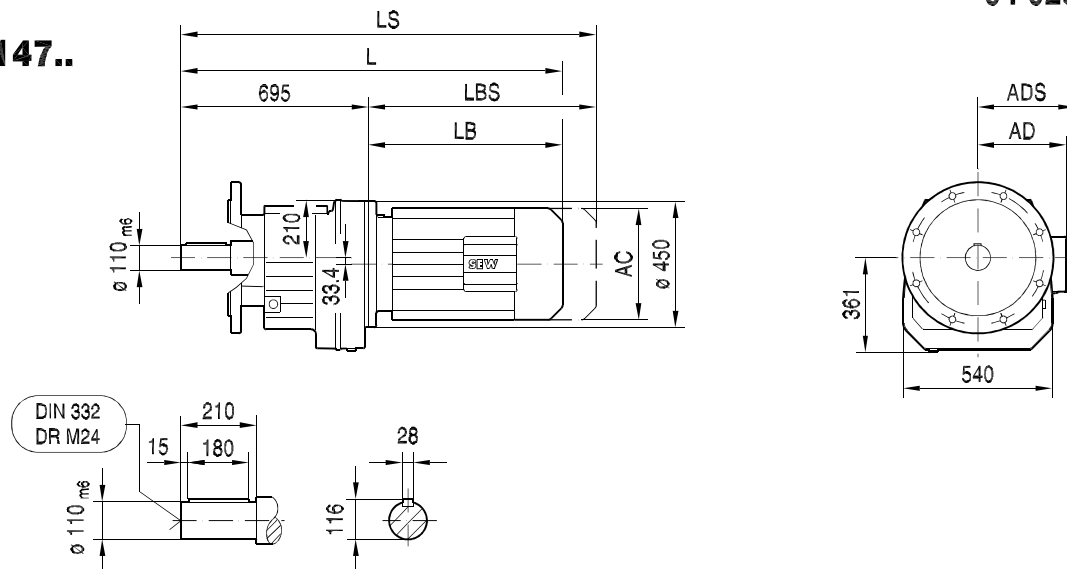
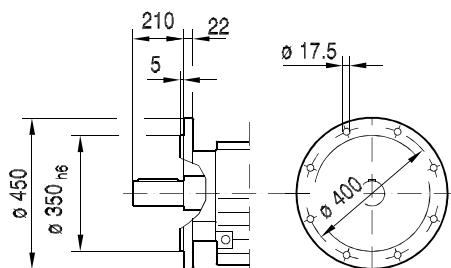
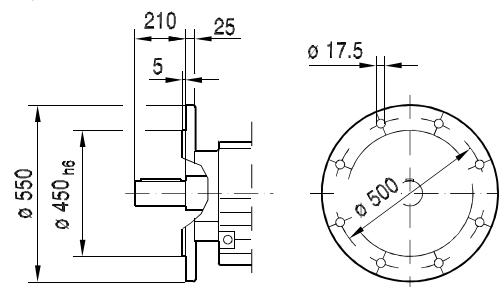
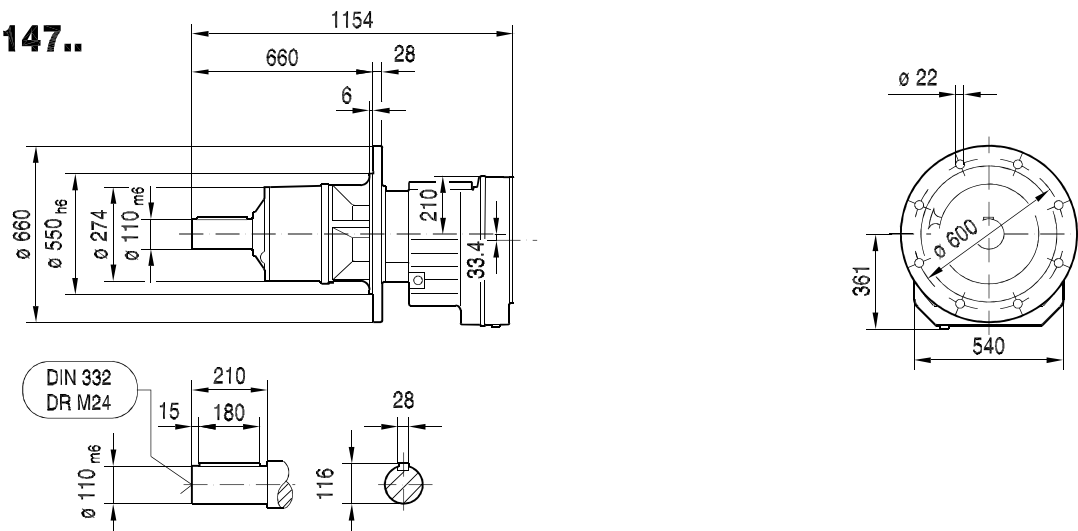


3

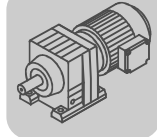
(→ 14)	DV132ML	DV160M	DV160L	DV180..	DV200..	DV225..	DV250M	DV280..			
AC	275	275	331	331	394	394	510	510			
AD	230	230	258	258	285	289	397	397			
ADS	230	230	258	258	285	289	397	397			
L	1136	1136	1183	1255	1303	1385	1475	1475			
LS	1248	1248	1339	1411	1459	1541	1660	1660			
LB	441	441	488	560	608	690	780	780			
LBS	553	553	644	716	764	846	965	965			



04 025 03 00

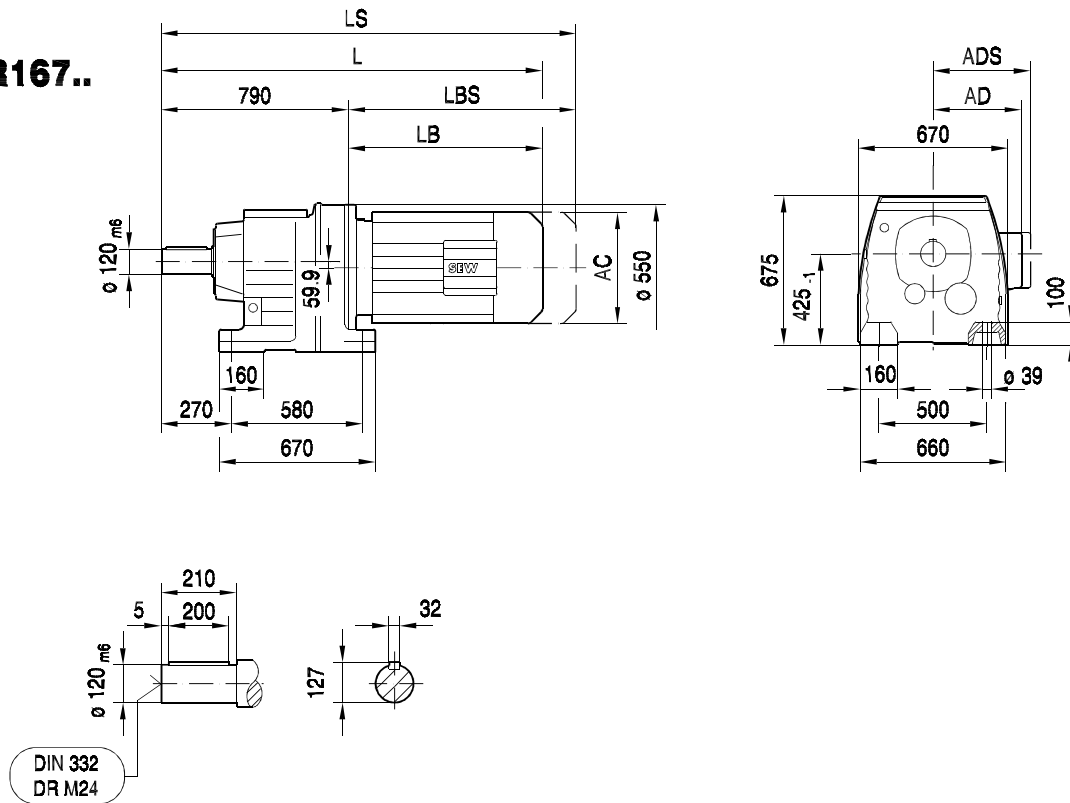
RF147..**ø 450****ø 550****RM147..**

(→ 14)	DV132ML	DV160M	DV160L	DV180..	DV200..	DV225..	DV250M	DV280..			
AC	275	275	331	331	394	394	510	510			
AD	230	230	258	258	285	289	397	397			
ADS	230	230	258	258	285	289	397	397			
L	1136	1136	1183	1255	1303	1385	1475	1475			
LS	1248	1248	1339	1411	1459	1541	1660	1660			
LB	441	441	488	560	608	690	780	780			
LBS	553	553	644	716	764	846	965	965			



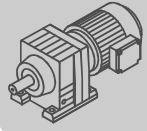
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R167..

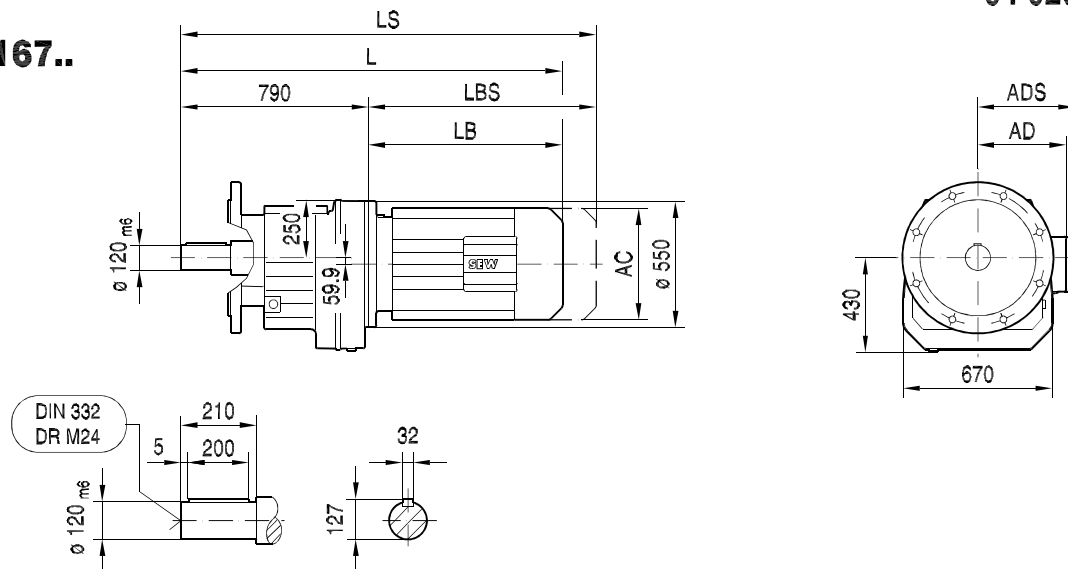
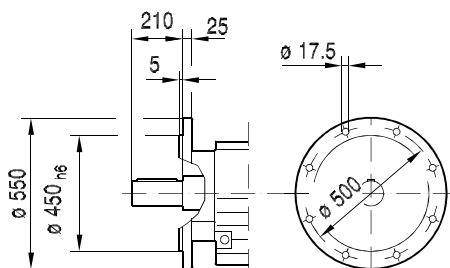
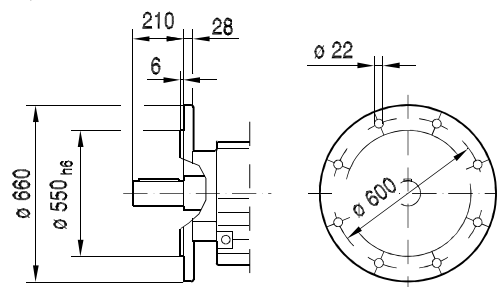
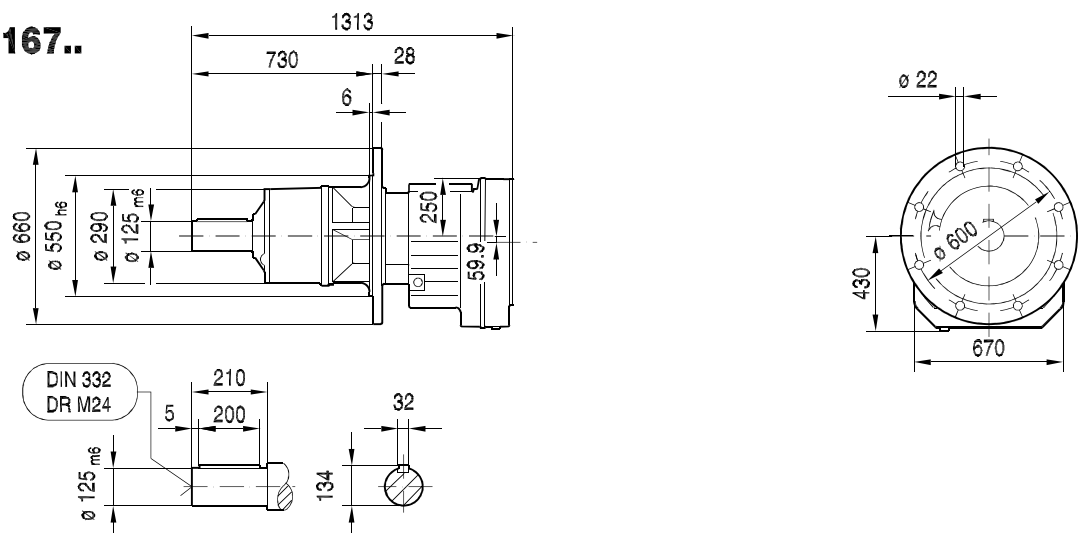


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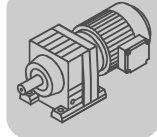
(→ 14)	DV160M	DV160L	DV180..	DV200..	DV225..	DV250M	DV280..	D315S	D315M		
AC	275	331	331	394	394	510	510	612	612		
AD	230	258	258	285	289	397	397	430	430		
ADS	230	258	258	285	289	397	397	430	430		
L	1223	1270	1342	1390	1472	1561	1561	1789	1840		
LS	1335	1426	1498	1546	1628	1746	1746	2000	2051		
LB	433	480	552	600	682	771	771	999	1050		
LBS	545	636	708	756	838	956	956	1210	1261		



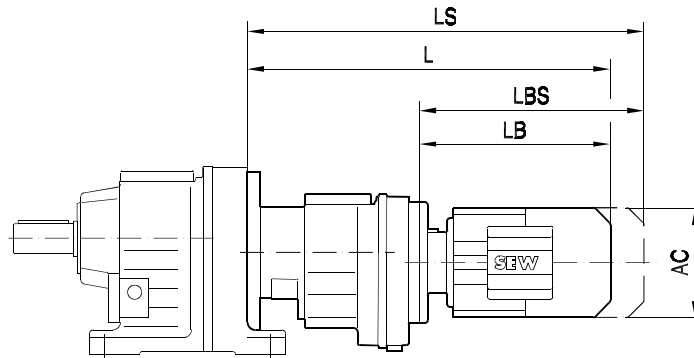
04 026 03 00

RF167..**ø 550****ø 660****RM167..**

(→ 14)	DV160M	DV160L	DV180..	DV200..	DV225..	DV250M	DV280..	D315S	D315M		
AC	275	331	331	394	394	510	510	612	612		
AD	230	258	258	285	289	397	397	430	430		
ADS	230	258	258	285	289	397	397	430	430		
L	1223	1270	1342	1390	1472	1561	1561	1789	1840		
LS	1335	1426	1498	1546	1628	1746	1746	2000	2051		
LB	433	480	552	600	682	771	771	999	1050		
LBS	545	636	708	756	838	956	956	1210	1261		



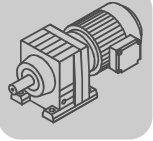
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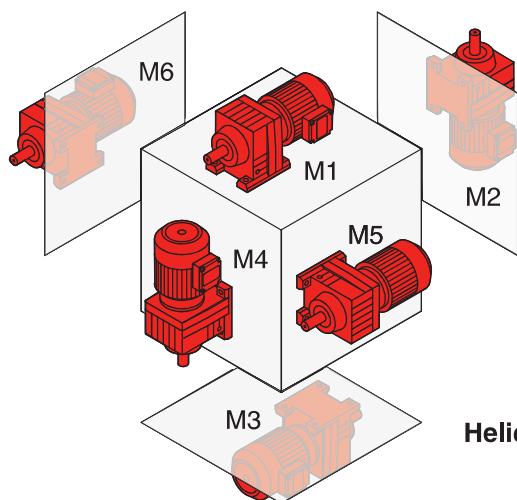
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(→ 14)		AC	L	LS	LB	LBS
R..27R17 R..37R17	DR63..	132	324	379	149	204
	DT71D	145	339	403	164	228
	DT80..	145	389	453	214	278
R..47R37 R..57R37 R..67R37	DR63..	132	356	411	191	246
	DT71D	145	371	435	206	270
	DT80..	145	421	485	256	320
R..77R37	DR63..	132	348	403	191	246
	DT71D	145	363	427	206	270
	DT80..	145	413	477	256	320
	DT90..	197	433	518	276	361
R..87R57	DR63..	132	401	456	185	240
	DT71D	145	415	479	199	263
	DT80..	145	465	529	249	313
	DT90..	197	485	570	269	354
R..97R57	DR63..	132	396	451	185	240
	DT71D	145	410	474	199	263
	DT80..	145	460	524	249	313
	DT90..	197	480	565	269	354
	DV100M	197	530	615	319	404
	DV100L	197	560	645	349	434
R..107R77	DR63..	132	426	481	179	234
	DT71D	145	440	504	193	257
	DT80..	145	490	554	243	307
	DT90..	197	508	593	261	346
	DV100M	197	558	643	311	396
	DV100L	197	588	673	341	426
	DV112M	221	592	672	345	425
	DV132S	221	637	717	390	470
	DV132M	275	659	771	412	524
	DV132ML	275	719	831	472	584
R..137R77	DR63..	132	419	474	179	234
	DT71D	145	433	497	193	257
	DT80..	145	483	547	243	307
	DT90..	197	501	586	261	346
	DV100M	197	551	636	311	396
	DV100L	197	581	666	341	426
	DV112M	221	585	665	345	425
	DV132S	221	630	710	390	470
	DV132M	275	652	764	412	524
	DV132ML	275	712	824	472	584
	DV160M	275	712	824	472	584

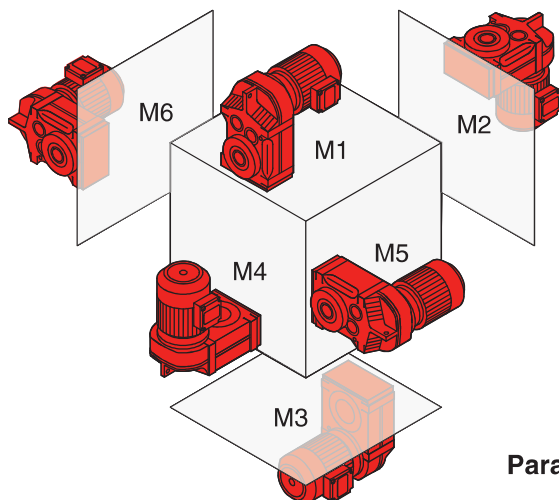
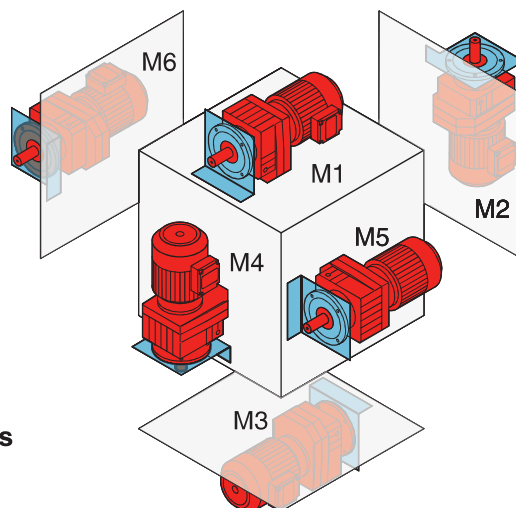
(→ 14)		AC	L	LS	LB	LBS
R..147R77	DR63..	132	411	466	179	234
	DT71D	145	425	489	193	257
	DT80..	145	475	539	243	307
	DT90..	197	493	578	261	346
	DV100M	197	543	628	311	396
	DV100L	197	573	658	341	426
	DV112M	221	577	657	345	425
	DV132S	221	622	702	390	470
	DV132M	275	644	756	412	524
	DV132ML	275	704	816	472	584
R..147R87	DT90..	197	537	622	257	342
	DV100M	197	587	672	307	392
	DV100L	197	617	702	337	422
	DV112M	221	620	700	340	420
	DV132S	221	665	745	385	465
	DV132M	275	687	799	407	519
	DV132ML	275	747	859	467	579
	DV160M	275	747	859	467	579
	DV160L	331	794	950	514	670
	DV180..	331	866	1022	586	742
R..167R97	DT80..	145	556	620	231	295
	DT90..	197	576	661	251	336
	DV100M	197	626	711	301	386
	DV100L	197	656	741	331	416
	DV112M	221	660	740	335	415
	DV132S	221	705	785	380	460
	DV132M	275	727	839	402	514
	DV132ML	275	787	899	462	574
	DV160M	275	787	899	462	574
	DV160L	331	834	990	509	665
R..167R107	DV180..	331	906	1062	581	737
	DV100M	197	677	762	295	380
	DV100L	197	707	792	325	410
	DV112M	221	711	791	329	409
	DV132S	221	756	836	374	454
	DV132M	275	778	890	396	508
	DV132ML	275	838	950	456	568
	DV160M	275	838	950	456	568
	DV160L	331	885	1041	503	659
	DV180..	331	957	1113	575	731
	DV200..	394	1005	1161	623	779
	DV225..	394	1087	1243	705	861



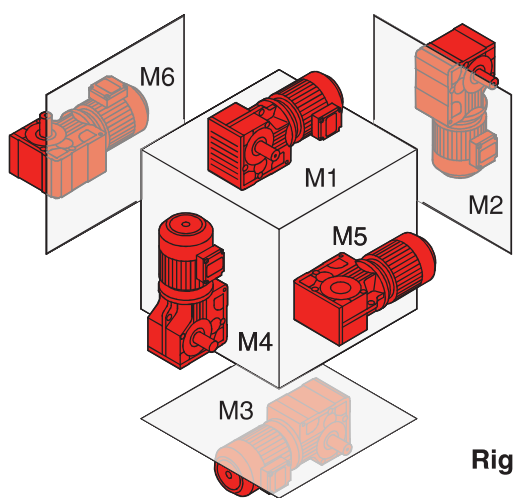
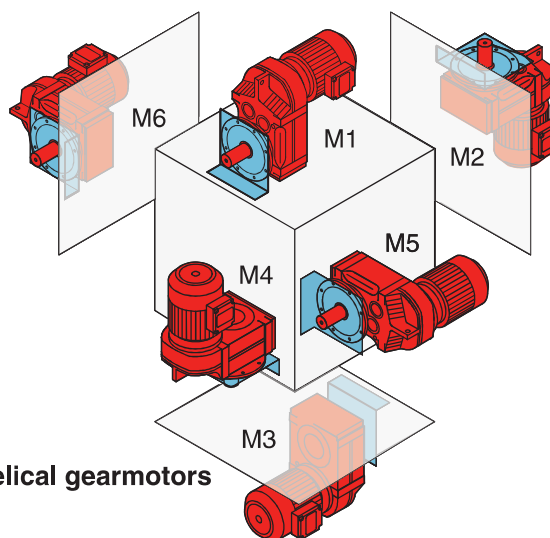
Overview of mounting positions*



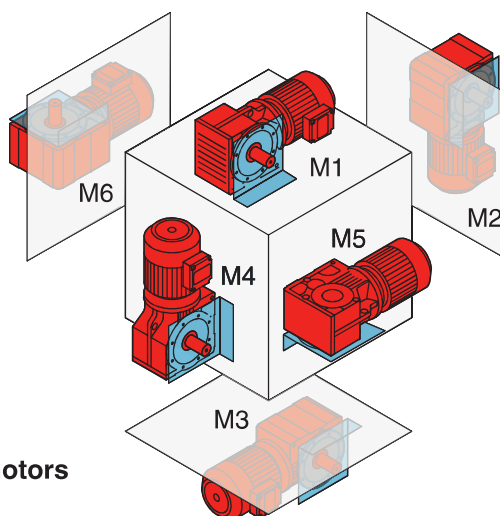
Helical Gearmotors



Parallel shaft helical gearmotors



Right-angle gearmotors



* For more detailed information about mounting positions for SEW gearmotors, refer to the "Gear Units and Gearmotors" manual.

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Permitted combinations

R57, $n_e = 1400$ 1/min										450 Nm
n_a [1/min]	M_{amax} [Nm]	F_{Ra} [N]	$\varphi(/R)$ [']	i	DR63 DT71	DT80	DT90	DV100	DV112	DV132S DV132M
 2										
53	450	4750	6	26.31						
56	450	4640	6	24.99*						
64	450	4370	7	21.93						
75	450	4050	7	18.60*						

Gear unit ratio

No data (-): For this i , the low backlash option ($= /R$) is not possible.

Numerical value: Low backlash option ($= /R$) is possible, the numerical value indicates the circumferential backlash of the low backlash variant in angular minutes ['].

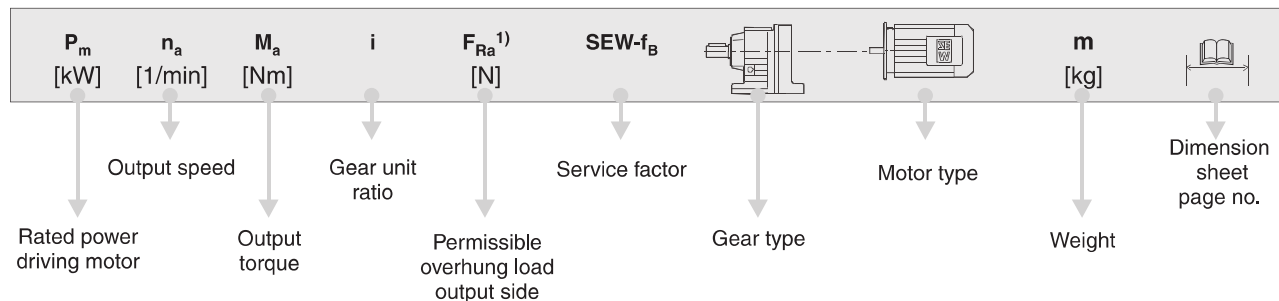
Permitted overhung load at maximum output torque (foot-mounted gear unit with solid shaft)

Maximum output torque

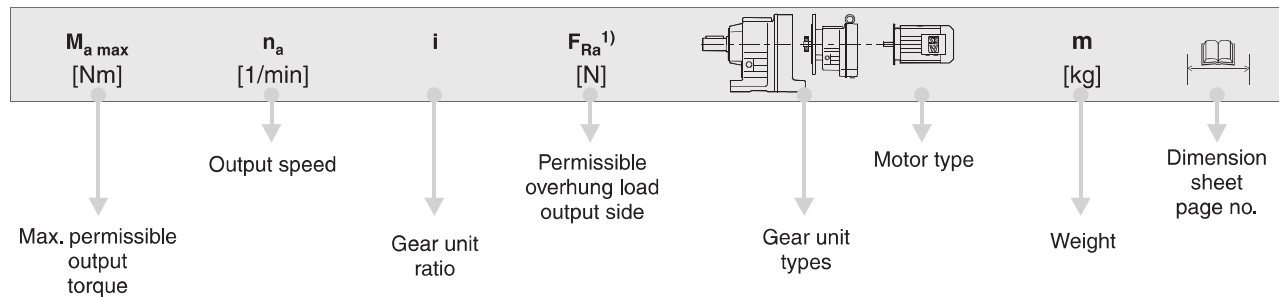
Output torque

	Combination with motor in the header is possible .
	Combination with motor in the header is not possible .

Structure of the gearmotor selection tables



For particularly low output speeds:



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Key

* Finite gear unit ratio

1) Overhung load for foot-mounted gear units with solid shaft, overhung loads for other gear unit types on request

Note

For drives with very low output speeds (multi-stage gearmotor), the motor power must be limited according to the maximum permitted output torque of the gear unit.

Notes on the gearmotor dimension sheets

Scope of delivery	
	= Standard parts are supplied by SEW.
	= Standard parts are not supplied by SEW.

Multiple-splined shafts	
D_m	= Measuring roller diameter
M_e	= Check size

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