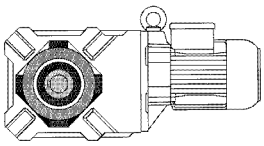
12 BK-series bevel-geared motors



12.1 Description of bevel-gear units

12.1.1 Sizes

Bauer BK-series bevel-geared motors are normally supplied in ten frame sizes and with torques of 80 to 18,500 Nm. Higher torques are available on request. The gear unit is accommodated in a sturdy cast housing

12.1.2 Bauer service factors (f_B) for bevel-geared motors

Of the numerous factors influencing the total loading of a gear unit, the most important include:

- Mean torque (rated torque)
- Daily operating hours
- Severity of torque peaks (shock classification)
- Frequency of torque peaks (switching duty)

These factors can be represented in a simplified and practical manner by **service factors**. The tables and explanations below attempt to provide an objective description of the **shock classification**, rather than a classification of the driven machinery. Experience has shown that, in addition to the torque shocks caused by the driven machinery (M/M_N), above all the power transmission components (clutches, chains etc.) plus the mass ratios play a decisive role in this.

See Danfoss Bauer special imprint SD32 for more information.

12.1.2.1
Continuous operation without switching frequency Z ≤1/h

Factor f_1 for shock classification and operating time

Shock classification	Operating hours per day t_d	>4 h	>8 h	>16 h
		≤8 h	≤16 h	≤24 h
I		0,8	1,0	1,2
II		1,05	1,25	1,45
III		1,45	1,55	1,7

12.1.2.2
Switching duty

Factor f_2 for shock classification and switching frequency

Switching frequency in single- shift operation t_d ≤8 h/d

Shock classification	1 <Z ≤100	100 <Z ≤1000	1000 <Z
I	0,95	1,1	1,15
II	1,2	1,35	1,4
III	1,55	1,6	1,6

Switching frequency in multiple- shift operation t_d >8 h/d

Shock classification	1 <Z ≤100	100 <Z ≤1000	1000 <Z
I	1,3	1,45	1,5
II	1,5	1,6	1,65
III	1,75	1,8	1,8

12.1.2.3
DV-series wide-voltage motors and energy-saving motors (eff 1)

Factors f_1 and f_2 must be increased as follows depending on shock classification:

Shock classification I	x 1,2
Shock classification II	x 1,5
Shock classification III	x 1,8

12.1.2.4
Bauer Service factor

Bauer service factor $f_B = f_1$ or $f_B = f_2$
For example: Shock classification II for Z = 100 switching operations per hour and multiple-shift operation yields a service factor $f_B = f_2 = 1,5$

12.1.2.5
Explanation of shock classification

Shock classification I:
Uniform without shock loads. All the following requirements must be satisfied:
- FI ≤1,3
- M/MN ≤1,0
- Shock-absorbing power transmission components (e.g. highly resilient, zero-play coupling, φ N ≥5°)

Shock classification II:
Moderate shock loads. At least one of the following conditions applies:
- 1,3 <FI ≤4
- 1 <M/MN ≤1,6
- Shock-neutral power transmission components (e.g. gear wheels, zero- playrigid coupling or resilient coupling with φ N <5°)

Shock classification III:
Heavy shock loads. At least one of the following conditions applies:
- FI >4
- 1,6 <M/MN ≤2,0
- Shock-amplifying power transmission components (e.g. coupling with play or chain drive)

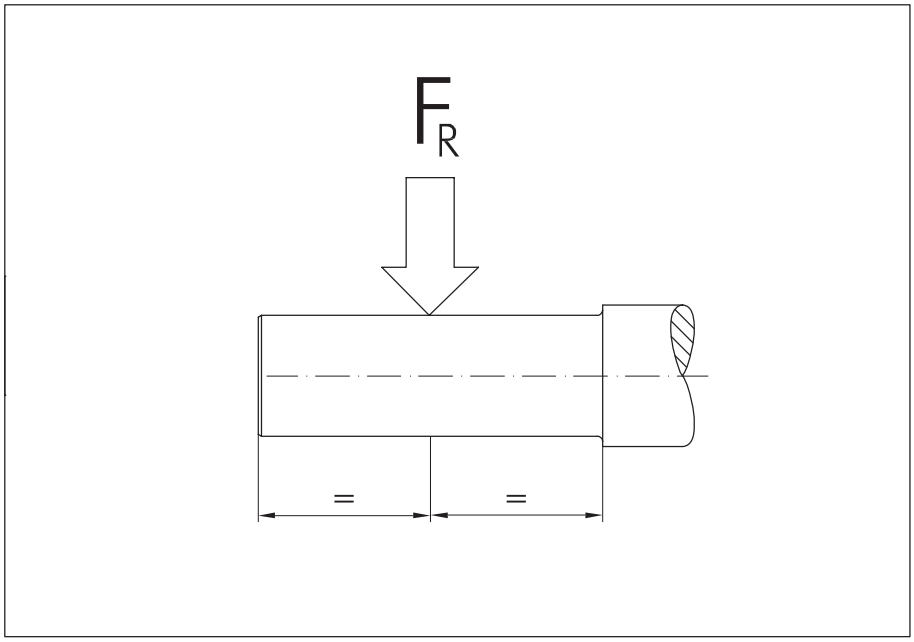
12.1.2.6
Key to abbreviations

Z	Switching duty number of switching operations per hour
t_d	Daily operating time in hours (h/d)
FI	Factor of inertia $FI = (J_{ext} + J_{rot})/J_{rot}$
J_{ext}	Mass moment of inertia of the machine to be driven, in relation to the motor's rotor shaft (kgm^2)
J_{rot}	Mass moment of inertia of the motor rotor (kgm^2)
M/M_N	Relative shock in relation to the rated torque
φ_N	Torsional offset of the resilient coupling under rated torque

12.2 Selection tables, bevel-geared motors

Key to abbreviations

P	Rated output
n_2	Rated speed of the output shaft
i	Gear reduction ratio
M_2	Rated torque at the output shaft
f_B	Bauer service factor
F_{RN}	Maximum permissible radial force with normal bearings
F_{RV}	Maximum permissible radial force with reinforced bearings in each case with standard solid shaft (Code -.1 and -.2)

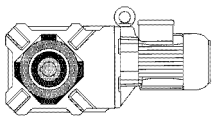


Use the selection tables to determine the size of geared motor required. The codes clearly define the type of gear unit and output shaft (see dimensional drawing 12.3).

The torques marked (*) are maximum permissible torques for service factor f_B = 1,0.

Motor power overload protection
Motor-power ratings, particularly in conjunction with four-stage and multi-stage gear units, are more than ample in some instances. Consequently, and in much the same way as with low-power motors, rated current is not a measure of gear loading and cannot be used to protect the gear unit against overloading. It is advisable to provide gears at risk from excessive load or blockage with a protective mechanism (e. g., slip clutch, slip hub, shear pin or an alternative)

P = 0.03 kW

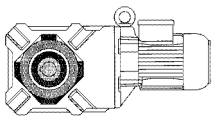


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
28.5	**8.9**	**9.0**	47.78	**BK06-../D04LA4**	7.6	1500	-	34	7.4	10.6
25	**10.1**	**6.7**	54.38	"	"	1600	-	30	8.4	8.1
21.5	**11.8**	**5.4**	63.33	"	"	1700	-	26	9.8	6.5
3.7	**62**	**2.7**	373.4	**BK10Z-../D04LA4**	21	7000	-	4.4	52	3.2
3.2	**71**	**2.1**	428.8	"	"	7000	-	3.8	60	2.5
2.5	**66**	**3.3**	552.3	**BK10G06-../D04LA4**	25	7000	-	3.0	51	4.3
2.2	**77**	**2.9**	635.5	"	"	7000	-	2.6	62	3.5
1.8	**98**	**2.2**	789.7	"	"	7000	-	2.1	80	2.8
1.5	**118**	**1.85**	929.3	"	"	7000	-	1.8	94	2.3
1.3	**139**	**1.6**	1112	"	"	7000	-	1.5	116	1.9
1.0	**184**	**1.2**	1361	"	"	7000	-	1.2	149	1.5
0.9	**205**	**1.05**	1577	"	"	7000	-	1.1	167	1.3
0.7	**220***	**1.0**	1971	"	"	7000	-	0.85	220	1.0
0.6	**220***	**1.0**	2261	"	"	7000	-	0.75	220	1.0
0.55	**220***	**1.0**	2467	"	"	7000	-	0.7	220	1.0
0.48	**220***	**1.0**	2849	"	"	7000	-	0.6	220	1.0
0.44	**220***	**1.0**	3107	"	"	7000	-	0.55	220	1.0
0.39	**220***	**1.0**	3537	"	"	7000	-	0.46	220	1.0
0.33	**220***	**1.0**	4120	"	"	7000	-	0.4	220	1.0
1.6	**110**	**3.3**	891.2	**BK20G06-../D04LA4**	34	8700	9000	1.9	88	4.1
1.3	**138**	**2.6**	1066	"	"	8700	9000	1.6	108	3.3
1.1	**165**	**2.2**	1305	"	"	8700	9000	1.3	135	2.7
0.95	**193**	**1.85**	1424	"	"	8700	9000	1.2	149	2.4
0.85	**220**	**1.65**	1650	"	"	8700	9000	1.0	183	1.95
0.7	**270**	**1.35**	2062	"	"	8700	9000	0.8	235	1.55
0.6	**320**	**1.15**	2366	"	"	8700	9000	0.7	270	1.35
0.55	**350**	**1.05**	2580	"	"	8700	9000	0.65	295	1.2
0.48	**360***	**1.0**	2831	"	"	8700	9000	0.6	360	1.0
0.44	**360***	**1.0**	3088	"	"	8700	9000	0.55	360	1.0
0.39	**360***	**1.0**	3515	"	"	8700	9000	0.47	360	1.0
0.33	**360***	**1.0**	4094	"	"	8700	9000	0.4	360	1.0
1.2	**150**	**3.3**	1142	**BK30G06-../D04LA4**	40	11200	12000	1.5	116	4.2
1.1	**165**	**3.0**	1281	"	"	11200	12000	1.3	135	3.6
0.85	**220**	**2.2**	1620	"	"	11200	12000	1.0	183	2.7
0.8	**235**	**2.1**	1767	"	"	11200	12000	0.95	195	2.5
0.7	**270**	**1.8**	2024	"	"	11200	12000	0.85	220	2.2
0.55	**350**	**1.4**	2533	"	"	11200	12000	0.65	295	1.65
0.5	**380**	**1.3**	2738	"	"	11200	12000	0.6	315	1.55
0.46	**415**	**1.2**	2986	"	"	11200	12000	0.55	345	1.4
0.4	**480**	**1.0**	3399	"	"	11200	12000	0.48	400	1.25
0.35	**490***	**1.0**	3959	"	"	11200	12000	0.41	490	1.0

P = 0.04 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
41	**8.3**	**9.6**	33.33	**BK06-../D04LA4**	7.6	1320	-	49	7.0	11.5
35.5	**9.6**	**8.3**	38.18	"	"	1380	-	42.5	8.0	10
28.5	**11.9**	**6.7**	47.78	"	"	1500	-	34	9.9	8.1
25	**13.5**	**5.0**	54.38	"	"	1600	-	30	11.3	6.0
21.5	**15.8**	**4.0**	63.33	"	"	1700	-	26	13	4.9
4.5	**68**	**2.7**	302.4	**BK10Z-../D04LA4**	21	7000	-	5.4	57	3.2
3.7	**83**	**2.0**	373.4	"	"	7000	-	4.4	70	2.4
3.2	**95**	**1.55**	428.8	"	"	7000	-	3.8	80	1.85
3.0	**78**	**2.8**	459.2	**BK10G06-../D04LA4**	25	7000	-	3.6	62	3.5
2.7	**88**	**2.5**	501.4	"	"	7000	-	3.3	68	3.2
2.5	**96**	**2.3**	552.3	"	"	7000	-	3.0	77	2.9
2.2	**112**	**1.95**	635.5	"	"	7000	-	2.6	91	2.4
1.8	**140**	**1.55**	789.7	"	"	7000	-	2.1	116	1.9
1.5	**167**	**1.3**	929.3	"	"	7000	-	1.8	135	1.65

P = 0.04 kW

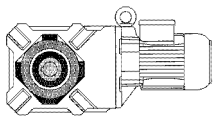


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
1.3	**195**	**1.15**	1112	**BK10G06-../D04LA4**	"	7000	-	1.5	165	1.35
1.0	**255**	**0.86**	1361	"	"	7000	-	1.2	210	1.05
2.2	**110**	**3.3**	630.0	**BK20G06-../D04LA4**	34	8700	9000	2.6	89	4.0
1.8	**138**	**2.6**	757.0	"	"	8700	9000	2.2	109	3.3
1.6	**156**	**2.3**	891.2	"	"	8700	9000	1.9	128	2.8
1.3	**195**	**1.85**	1066	"	"	8700	9000	1.6	155	2.3
1.1	**230**	**1.55**	1305	"	"	8700	9000	1.3	192	1.9
0.95	**270**	**1.35**	1424	"	"	8700	9000	1.2	210	1.7
0.85	**305**	**1.2**	1650	"	"	8700	9000	1.0	255	1.4
1.7	**147**	**3.3**	810.9	**BK30G06-../D04LA4**	40	11200	12000	2.0	122	4.0
1.5	**167**	**2.9**	954.1	"	"	11200	12000	1.7	143	3.4
1.2	**210**	**2.3**	1142	"	"	11200	12000	1.5	165	3.0
1.1	**230**	**2.1**	1281	"	"	11200	12000	1.3	192	2.6
0.85	**305**	**1.6**	1620	"	"	11200	12000	1.0	255	1.9
0.8	**325**	**1.5**	1767	"	"	11200	12000	0.95	270	1.8
0.7	**375**	**1.3**	2024	"	"	11200	12000	0.85	305	1.6
0.55	**480**	**1.0**	2533	"	"	11200	12000	0.65	405	1.2

P = 0.06 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
63	**8.1**	**9.9**	21.54	**BK06-../D04LA4**	7.6	1150	-	76	6.7	11.8
52	**9.9**	**8.1**	26.36	"	"	1230	-	62	8.3	9.6
41	**12.5**	**6.4**	33.33	"	"	1320	-	49	10.5	7.6
35.5	**14.5**	**5.5**	38.18	"	"	1380	-	42.5	12.1	6.6
28.5	**17.8**	**4.5**	47.78	"	"	1500	-	34	14.9	5.4
25	**20**	**3.4**	54.38	"	"	1600	-	30	16.9	4.0
21.5	**23.5**	**2.7**	63.33	"	"	1700	-	26	19.6	3.2
11.5	**42**	**3.3**	120.3	**BK10Z-../D06LA4**	24	7000	-	13.5	36	3.8
9.5	**50**	**3.3**	143.2	"	"	7000	-	11.5	41.5	3.9
6.6	**71**	**2.8**	204.7	"	"	7000	-	8.0	58	3.4
5.3	**88**	**2.3**	257.9	"	"	7000	-	6.3	74	2.7
4.5	**103**	**1.8**	302.4	"	"	7000	-	5.4	85	2.2
3.7	**125**	**1.3**	373.4	"	"	7000	-	4.4	105	1.55
3.2	**143**	**1.05**	428.8	"	"	7000	-	3.8	120	1.25
3.0	**129**	**1.7**	459.2	**BK10G06-../D06LA4**	28	7000	-	3.6	104	2.1
2.7	**144**	**1.55**	501.4	"	"	7000	-	3.3	115	1.9
2.5	**157**	**1.4**	552.3	"	"	7000	-	3.0	127	1.75
2.2	**180**	**1.2**	635.5	"	"	7000	-	2.6	149	1.5
1.8	**220**	**1.0**	789.7	"	"	7000	-	2.1	187	1.2
1.5	**265**	**0.83**	929.3	"	"	7000	-	1.8	215	1.0
4.6	**100**	**3.1**	298.2	**BK20Z-../D06LA4**	34	8700	9000	5.5	84	3.7
3.7	**123**	**2.4**	367.7	"	"	8700	9000	4.5	101	2.9
3.2	**120**	**3.0**	429.7	**BK20G06-../D06LA4**	38	8700	9000	3.8	98	3.7
2.9	**133**	**2.7**	480.4	"	"	8700	9000	3.4	110	3.3
2.6	**149**	**2.4**	524.5	"	"	8700	9000	3.1	122	3.0
2.2	**178**	**2.0**	630.0	"	"	8700	9000	2.6	148	2.4
1.8	**220**	**1.65**	757.0	"	"	8700	9000	2.2	178	2.0
1.6	**245**	**1.45**	891.2	"	"	8700	9000	1.9	205	1.75
1.3	**305**	**1.2**	1066	"	"	8700	9000	1.6	245	1.45
1.1	**360**	**1.0**	1305	"	"	8700	9000	1.3	305	1.2
3.6	**128**	**3.1**	380.7	**BK30Z-../D06LA4**	41	11200	12000	4.3	107	3.8
3.1	**147**	**2.6**	441.3	"	"	11200	12000	3.7	123	3.1
2.4	**163**	**3.0**	567.0	**BK30G06-../D06LA4**	44	11200	12000	2.9	132	3.7
2.1	**188**	**2.6**	652.5	"	"	11200	12000	2.5	155	3.2
1.9	**210**	**2.3**	743.0	"	"	11200	12000	2.2	178	2.8
1.7	**235**	**2.1**	810.9	"	"	11200	12000	2.0	196	2.5

P = 0.06 kW

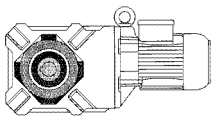


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
1.5	**265**	**1.85**	954.1	**BK30G06-../D06LA4**	"	11200	12000	1.7	230	2.1
1.2	**330**	**1.5**	1142	"	"	11200	12000	1.5	260	1.9
1.1	**360**	**1.35**	1281	"	"	11200	12000	1.3	305	1.6
0.85	**475**	**1.05**	1620	"	"	11200	12000	1.0	400	1.25
1.2	**290**	**2.9**	1189	**BK40G10-../D06LA4**	68	11700	17000	1.4	240	3.5
0.95	**380**	**2.2**	1428	"	"	11700	17000	1.2	290	2.9
0.8	**465**	**1.85**	1798	"	"	11700	17000	0.95	385	2.2
0.65	**580**	**1.45**	2108	"	"	11700	17000	0.8	465	1.85
0.6	**640**	**1.35**	2350	"	"	11700	17000	0.7	540	1.55
0.55	**700**	**1.2**	2604	"	"	11700	17000	0.65	580	1.45
1.0	**370**	**3.1**	1398	**BK50G10-../D06LA4**	96	14100	26000	1.2	300	3.8
0.9	**415**	**2.8**	1549	"	"	14100	26000	1.1	335	3.4
0.75	**510**	**2.3**	1816	"	"	14100	26000	0.9	415	2.8
0.7	**550**	**2.1**	2024	"	"	14100	26000	0.85	445	2.6
0.6	**630**	**1.85**	2450	"	"	14100	26000	0.7	530	2.2
0.5	**760**	**1.5**	2730	"	"	14100	26000	0.6	620	1.85
0.45	**850**	**1.35**	3025	"	"	14100	26000	0.55	680	1.7
0.39	**960**	**1.2**	3492	"	"	14100	26000	0.47	790	1.45
0.35	**1080**	**1.05**	3870	"	"	14100	26000	0.42	890	1.3
0.39	**920**	**2.7**	3533	**BK60G20-../D06LA4**	123	16600	34000	0.46	690	3.6
0.32	**1240**	**2.0**	4239	"	"	16600	34000	0.39	920	2.7
0.27	**1570**	**1.6**	5072	"	"	16600	34000	0.32	1240	2.0
0.24	**1830**	**1.35**	5721	"	"	16600	34000	0.29	1420	1.75
0.21	**2150**	**1.15**	6565	"	"	16600	34000	0.25	1740	1.45
0.19	**2450**	**1.0**	7291	"	"	16600	34000	0.23	1940	1.3
0.21	**2000**	**2.9**	6504	**BK70G20-../D06LA4**	201	24100	50000	0.25	1580	3.6
0.17	**2650**	**2.2**	8149	"	"	24100	50000	0.2	2150	2.7
0.15	**3100**	**1.85**	9351	"	"	24100	50000	0.18	2450	2.3

P = 0.09 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
89	**8.7**	**9.2**	15.29	**BK06-../D04LA4**	7.6	1020	-	106	7.3	11
75	**10.3**	**7.8**	18.00	"	"	1080	-	90	8.5	9.4
63	**12.2**	**6.6**	21.54	"	"	1150	-	76	10.1	7.9
52	**14.8**	**5.4**	26.36	"	"	1230	-	62	12.4	6.5
41	**18.8**	**4.3**	33.33	"	"	1320	-	49	15.7	5.1
35.5	**21.5**	**3.7**	38.18	"	"	1380	-	42.5	18.2	4.4
28.5	**26.5**	**3.0**	47.78	"	"	1500	-	34	22	3.6
25	**30.5**	**2.2**	54.38	"	"	1600	-	30	25	2.7
21.5	**35.5**	**1.8**	63.33	"	"	1700	-	26	29	2.2
13.5	**54**	**2.9**	102.5	**BK10-../D06LA4**	23	7000	-	16	45.5	3.5
11.5	**63**	**2.2**	120.3	**BK10Z-../D06LA4**	24	7000	-	13.5	54	2.5
9.5	**75**	**2.2**	143.2	"	"	7000	-	11.5	62	2.6
8.0	**89**	**2.2**	170.6	"	"	7000	-	9.5	75	2.7
6.6	**106**	**1.9**	204.7	"	"	7000	-	8.0	88	2.3
5.3	**132**	**1.5**	257.9	"	"	7000	-	6.3	111	1.8
4.5	**154**	**1.2**	302.4	"	"	7000	-	5.4	128	1.45
3.7	**188**	**0.88**	373.4	"	"	7000	-	4.4	158	1.05
3.3	**186**	**1.2**	410.8	**BK10G06-../D06LA4**	28	7000	-	4.0	151	1.45
3.0	**205**	**1.05**	459.2	"	"	7000	-	3.6	168	1.3
2.7	**225**	**0.98**	501.4	"	"	7000	-	3.3	184	1.2
2.5	**245**	**0.9**	552.3	"	"	7000	-	3.0	200	1.1
6.6	**106**	**3.1**	207.5	**BK20Z-../D06LA4**	34	8700	9000	7.9	89	3.7
5.2	**135**	**2.4**	259.9	"	"	8700	9000	6.3	111	3.0
4.6	**151**	**2.1**	298.2	"	"	8700	9000	5.5	126	2.5
3.7	**185**	**1.6**	367.7	"	"	8700	9000	4.5	152	1.9

P = 0.09 kW

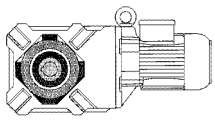


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
3.2	**192**	**1.9**	429.7	**BK20G06-../D06LA4**	38	8700	9000	3.8	159	2.3
2.9	**210**	**1.7**	480.4	"	"	8700	9000	3.4	178	2.0
2.6	**235**	**1.55**	524.5	"	"	8700	9000	3.1	196	1.85
2.2	**280**	**1.3**	630.0	"	"	8700	9000	2.6	235	1.55
1.8	**345**	**1.05**	757.0	"	"	8700	9000	2.2	280	1.3
1.6	**385**	**0.94**	891.2	"	"	8700	9000	1.9	320	1.15
4.4	**160**	**2.4**	308.3	**BK30Z-../D06LA4**	41	11200	12000	5.3	132	2.9
3.6	**193**	**2.1**	380.7	"	"	11200	12000	4.3	161	2.5
3.1	**220**	**1.75**	441.3	"	"	11200	12000	3.7	185	2.1
2.9	**210**	**2.3**	471.5	**BK30G06-../D06LA4**	44	11200	12000	3.5	173	2.8
2.4	**255**	**1.9**	567.0	"	"	11200	12000	2.9	210	2.3
2.1	**295**	**1.65**	652.5	"	"	11200	12000	2.5	245	2.0
1.9	**325**	**1.5**	743.0	"	"	11200	12000	2.2	280	1.75
1.7	**365**	**1.35**	810.9	"	"	11200	12000	2.0	305	1.6
1.5	**410**	**1.2**	954.1	"	"	11200	12000	1.7	360	1.35
1.2	**510**	**0.96**	1142	"	"	11200	12000	1.5	410	1.2
1.1	**560**	**0.88**	1281	"	"	11200	12000	1.3	470	1.05
3.9	**178**	**3.3**	348.7	**BK40Z-../D06LA4**	64	11700	17000	4.7	148	3.9
3.2	**210**	**2.7**	430.0	"	"	11700	17000	3.8	180	3.2
1.8	**295**	**2.9**	756.7	**BK40G10-../D06LA4**	68	11700	17000	2.2	230	3.7
1.7	**320**	**2.7**	838.4	"	"	11700	17000	2.0	260	3.3
1.4	**400**	**2.1**	998.3	"	"	11700	17000	1.7	320	2.7
1.2	**475**	**1.8**	1189	"	"	11700	17000	1.4	395	2.2
0.95	**610**	**1.4**	1428	"	"	11700	17000	1.2	475	1.8
0.8	**730**	**1.15**	1798	"	"	11700	17000	0.95	610	1.4
1.6	**350**	**3.3**	859.8	**BK50G10-../D06LA4**	96	14100	26000	1.9	285	4.0
1.4	**410**	**2.8**	1024	"	"	14100	26000	1.6	350	3.3
1.1	**530**	**2.2**	1230	"	"	14100	26000	1.4	410	2.8
1.0	**590**	**1.95**	1398	"	"	14100	26000	1.2	485	2.4
0.9	**660**	**1.75**	1549	"	"	14100	26000	1.1	530	2.2
0.75	**790**	**1.45**	1816	"	"	14100	26000	0.9	650	1.75
0.7	**850**	**1.35**	2024	"	"	14100	26000	0.85	700	1.65
0.6	**980**	**1.15**	2450	"	"	14100	26000	0.7	830	1.4
0.7	**750**	**3.3**	2010	**BK60G20-../D06LA4**	123	16600	34000	0.85	530	4.7
0.6	**930**	**2.7**	2371	"	"	16600	34000	0.7	720	3.5
0.5	**1180**	**2.1**	2733	"	"	16600	34000	0.6	890	2.8
0.45	**1360**	**1.85**	3036	"	"	16600	34000	0.55	1010	2.5
0.39	**1650**	**1.5**	3533	"	"	16600	34000	0.46	1320	1.9
0.32	**2100**	**1.2**	4239	"	"	16600	34000	0.39	1650	1.5
0.35	**1750**	**3.3**	3894	**BK70G20-../D06LA4**	201	24100	50000	0.42	1340	4.3
0.3	**2150**	**2.7**	4531	"	"	24100	50000	0.36	1680	3.4
0.25	**2700**	**2.1**	5436	"	"	24100	50000	0.3	2150	2.7
0.21	**3350**	**1.7**	6504	"	"	24100	50000	0.25	2700	2.1
0.17	**4350**	**1.3**	8149	"	"	24100	50000	0.2	3550	1.6
0.15	**5000**	**1.15**	9351	"	"	24100	50000	0.18	4050	1.4

P = 0.12 kW

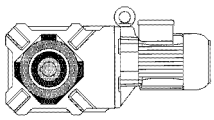
50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
116	**9.0**	**8.9**	11.67	**BK06-../D04LA4**	7.6	930	-	139	7.5	10.6
89	**11.7**	**6.8**	15.29	"	"	1020	-	106	9.8	8.2
75	**13.7**	**5.8**	18.00	"	"	1080	-	90	11.4	7.0
63	**16.3**	**4.9**	21.54	"	"	1150	-	76	13.5	5.9
52	**19.8**	**4.0**	26.36	"	"	1230	-	62	16.6	4.8
41	**25**	**3.2**	33.33	"	"	1320	-	49	21	3.8
35.5	**29**	**2.8**	38.18	"	"	1380	-	42.5	24	3.3
28.5	**35.5**	**2.3**	47.78	"	"	1500	-	34	29.5	2.7
25	**40.5**	**1.7**	54.38	"	"	1600	-	30	33.5	2.0
21.5	**47**	**1.35**	63.33	"	"	1700	-	26	39	1.65

P = 0.12 kW



50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
15.5	**64**	**2.8**	89.30	**BK10-../D06LA4**	23	7000	-	18.5	53	3.4
13.5	**72**	**2.2**	102.5	"	"	7000	-	16	60	2.6
11.5	**84**	**1.65**	120.3	**BK10Z-../D06LA4**	24	7000	-	13.5	72	1.9
9.5	**101**	**1.6**	143.2	"	"	7000	-	11.5	83	1.95
8.0	**118**	**1.7**	170.6	"	"	7000	-	9.5	100	2.0
6.6	**142**	**1.4**	204.7	"	"	7000	-	8.0	117	1.7
5.3	**177**	**1.15**	257.9	"	"	7000	-	6.3	149	1.35
4.5	**205**	**0.9**	302.4	"	"	7000	-	5.4	171	1.1
4.0	**210**	**1.05**	343.2	**BK10G06-../D06LA4**	28	7000	-	4.8	173	1.25
3.3	**255**	**0.86**	410.8	"	"	7000	-	4.0	205	1.05
14	**70**	**3.3**	96.99	**BK20Z-../D06LA4**	34	8700	9000	17	57	4.1
9.4	**102**	**3.2**	144.5	"	"	8700	9000	11.5	83	4.0
7.8	**121**	**2.7**	173.4	"	"	8700	9000	9.4	101	3.3
6.6	**142**	**2.3**	207.5	"	"	8700	9000	7.9	118	2.8
5.2	**180**	**1.85**	259.9	"	"	8700	9000	6.3	149	2.2
4.6	**200**	**1.55**	298.2	"	"	8700	9000	5.5	168	1.85
3.7	**245**	**1.2**	367.7	"	"	8700	9000	4.5	200	1.45
3.2	**260**	**1.4**	429.7	**BK20G06-../D06LA4**	38	8700	9000	3.8	215	1.65
2.9	**290**	**1.25**	480.4	"	"	8700	9000	3.4	245	1.45
2.6	**320**	**1.15**	524.5	"	"	8700	9000	3.1	265	1.35
2.2	**380**	**0.95**	630.0	"	"	8700	9000	2.6	320	1.15
6.3	**149**	**3.0**	216.5	**BK30Z-../D06LA4**	41	11200	12000	7.5	125	3.6
5.3	**177**	**2.5**	255.3	"	"	11200	12000	6.4	146	3.1
4.4	**210**	**1.85**	308.3	"	"	11200	12000	5.3	177	2.2
3.6	**255**	**1.6**	380.7	"	"	11200	12000	4.3	215	1.85
3.1	**295**	**1.3**	441.3	"	"	11200	12000	3.7	245	1.55
2.9	**290**	**1.7**	471.5	**BK30G06-../D06LA4**	44	11200	12000	3.5	235	2.1
2.4	**350**	**1.4**	567.0	"	"	11200	12000	2.9	285	1.7
2.1	**400**	**1.25**	652.5	"	"	11200	12000	2.5	335	1.45
1.9	**445**	**1.1**	743.0	"	"	11200	12000	2.2	380	1.3
1.7	**495**	**0.99**	810.9	"	"	11200	12000	2.0	420	1.15
1.5	**560**	**0.88**	954.1	"	"	11200	12000	1.7	490	1.0
3.9	**235**	**2.5**	348.7	**BK40Z-../D06LA4**	64	11700	17000	4.7	197	2.9
3.2	**285**	**2.0**	430.0	"	"	11700	17000	3.8	240	2.4
2.8	**255**	**3.3**	487.3	**BK40G10-../D06LA4**	68	11700	17000	3.4	200	4.3
2.5	**290**	**2.9**	540.0	"	"	11700	17000	3.0	230	3.7
2.1	**355**	**2.4**	660.2	"	"	11700	17000	2.5	285	3.0
1.8	**420**	**2.0**	756.7	"	"	11700	17000	2.2	330	2.6
1.7	**450**	**1.9**	838.4	"	"	11700	17000	2.0	370	2.3
1.4	**550**	**1.55**	998.3	"	"	11700	17000	1.7	450	1.9
1.2	**660**	**1.3**	1189	"	"	11700	17000	1.4	550	1.55
0.95	**840**	**1.0**	1428	"	"	11700	17000	1.2	660	1.3
3.3	**275**	**3.1**	414.8	**BK50Z-../D06LA4**	92	14100	26000	4.0	225	3.8
2.1	**360**	**3.2**	651.7	**BK50G10-../D06LA4**	96	14100	26000	2.5	295	3.9
1.9	**405**	**2.8**	722.2	"	"	14100	26000	2.3	325	3.5
1.6	**490**	**2.3**	859.8	"	"	14100	26000	1.9	405	2.8
1.4	**560**	**2.1**	1024	"	"	14100	26000	1.6	490	2.3
1.1	**730**	**1.6**	1230	"	"	14100	26000	1.4	570	2.0
1.0	**800**	**1.45**	1398	"	"	14100	26000	1.2	660	1.75
0.9	**900**	**1.3**	1549	"	"	14100	26000	1.1	730	1.6
0.75	**1080**	**1.05**	1816	"	"	14100	26000	0.9	900	1.3
0.85	**930**	**2.7**	1618	**BK60G20-../D06LA4**	123	16600	34000	1.1	630	4.0
0.75	**1070**	**2.3**	1810	"	"	16600	34000	0.9	810	3.1
0.7	**1160**	**2.2**	2010	"	"	16600	34000	0.85	870	2.9
0.6	**1400**	**1.8**	2371	"	"	16600	34000	0.7	1130	2.2
0.5	**1750**	**1.45**	2733	"	"	16600	34000	0.6	1370	1.8
0.45	**1990**	**1.25**	3036	"	"	16600	34000	0.55	1530	1.65
0.39	**2350**	**1.05**	3533	"	"	16600	34000	0.46	1940	1.3
0.45	**1900**	**3.0**	3041	**BK70G20-../D06LA4**	201	24100	50000	0.55	1440	4.0
0.39	**2250**	**2.5**	3505	"	"	24100	50000	0.47	1750	3.3

P = 0.12 kW

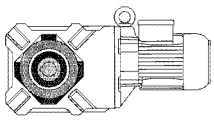


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
0.35	**2550**	**2.2**	3894	**BK70G20-../D06LA4**	"	24100	50000	0.42	2000	2.9
0.3	**3100**	**1.85**	4531	"	"	24100	50000	0.36	2450	2.3
0.25	**3850**	**1.5**	5436	"	"	24100	50000	0.3	3100	1.85
0.21	**4750**	**1.2**	6504	"	"	24100	50000	0.25	3850	1.5

P = 0.18 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
140	**11.2**	**7.1**	9.71	**BK06-../D05LA4**	9.5	880	-	167	9.4	8.5
116	**13.6**	**5.9**	11.67	"	"	930	-	139	11.3	7.1
89	**17.5**	**4.6**	15.29	"	"	1020	-	106	14.7	5.4
75	**20.5**	**3.9**	18.00	"	"	1080	-	90	17.1	4.7
63	**24.5**	**3.3**	21.54	"	"	1150	-	76	20	4.0
52	**29.5**	**2.7**	26.36	"	"	1230	-	62	24.5	3.3
41	**37.5**	**2.1**	33.33	"	"	1320	-	49	31.5	2.5
35.5	**43.5**	**1.85**	38.18	"	"	1380	-	42.5	36	2.2
28.5	**53**	**1.5**	47.78	"	"	1500	-	34	44.5	1.8
25	**61**	**1.1**	54.38	"	"	1600	-	30	50	1.35
21.5	**71**	**0.89**	63.33	"	"	1700	-	26	58	1.1
22	**69**	**2.9**	61.68	**BK10-../D06LA4**	23	7000	-	26.5	57	3.5
19	**79**	**2.5**	72.31	"	"	7000	-	22.5	67	3.0
15.5	**96**	**1.85**	89.30	"	"	7000	-	18.5	80	2.2
13.5	**108**	**1.45**	102.5	"	"	7000	-	16	91	1.75
11.5	**127**	**1.1**	120.3	**BK10Z-../D06LA4**	24	7000	-	13.5	108	1.25
9.5	**151**	**1.1**	143.2	"	"	7000	-	11.5	125	1.3
8.0	**178**	**1.1**	170.6	"	"	7000	-	9.5	150	1.35
6.6	**210**	**0.95**	204.7	"	"	7000	-	8.0	176	1.15
12.5	**118**	**2.7**	108.6	**BK20-../D06LA4**	33	8700	9000	15	98	3.2
11	**132**	**2.5**	124.2	**BK20Z-../D06LA4**	34	8700	9000	13.5	108	3.1
9.4	**153**	**2.2**	144.5	"	"	8700	9000	11.5	125	2.6
7.8	**182**	**1.8**	173.4	"	"	8700	9000	9.4	151	2.2
6.6	**210**	**1.55**	207.5	"	"	8700	9000	7.9	178	1.85
5.2	**270**	**1.2**	259.9	"	"	8700	9000	6.3	220	1.5
4.6	**300**	**1.05**	298.2	"	"	8700	9000	5.5	250	1.25
3.8	**340**	**1.05**	359.1	**BK20G06-../D06LA4**	38	8700	9000	4.6	280	1.3
3.2	**405**	**0.89**	429.7	"	"	8700	9000	3.8	340	1.05
2.9	**445**	**0.81**	480.4	"	"	8700	9000	3.4	380	0.95
9.4	**153**	**2.9**	145.1	**BK30Z-../D06LA4**	41	11200	12000	11.5	125	3.6
7.4	**192**	**2.3**	184.8	"	"	11200	12000	8.8	162	2.8
6.3	**220**	**2.0**	216.5	"	"	11200	12000	7.5	187	2.4
5.3	**265**	**1.7**	255.3	"	"	11200	12000	6.4	220	2.0
4.4	**320**	**1.2**	308.3	"	"	11200	12000	5.3	265	1.45
3.6	**385**	**1.05**	380.7	"	"	11200	12000	4.3	320	1.25
3.1	**440**	**0.87**	441.3	"	"	11200	12000	3.7	370	1.05
2.9	**445**	**1.1**	471.5	**BK30G06-../D06LA4**	44	11200	12000	3.5	370	1.3
2.4	**540**	**0.91**	567.0	"	"	11200	12000	2.9	445	1.1
2.1	**610**	**0.8**	652.5	"	"	11200	12000	2.5	510	0.96
5.5	**250**	**3.1**	246.6	**BK40Z-../D06LA4**	64	11700	17000	6.6	210	3.7
4.7	**295**	**2.3**	289.8	"	"	11700	17000	5.6	245	2.8
3.9	**355**	**1.65**	348.7	"	"	11700	17000	4.7	295	1.95
3.2	**425**	**1.35**	430.0	"	"	11700	17000	3.8	360	1.6
2.8	**420**	**2.0**	487.3	**BK40G10-../D06LA4**	68	11700	17000	3.4	335	2.5
2.5	**470**	**1.8**	540.0	"	"	11700	17000	3.0	385	2.2
2.1	**560**	**1.5**	660.2	"	"	11700	17000	2.5	465	1.85
1.8	**660**	**1.3**	756.7	"	"	11700	17000	2.2	530	1.6
1.7	**710**	**1.2**	838.4	"	"	11700	17000	2.0	590	1.45
1.4	**870**	**0.98**	998.3	"	"	11700	17000	1.7	710	1.2
1.2	**1020**	**0.83**	1189	"	"	11700	17000	1.4	870	0.98

P = 0.18 kW

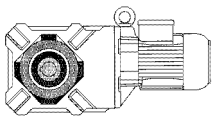


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
4.2	**330**	**3.1**	328.2	**BK50Z-../D06LA4**	92	14100	26000	5.0	275	3.7
3.3	**415**	**2.0**	414.8	"	"	14100	26000	4.0	340	2.5
3.0	**395**	**2.9**	465.1	**BK50G10-../D06LA4**	96	14100	26000	3.5	330	3.5
2.7	**440**	**2.6**	513.4	"	"	14100	26000	3.2	365	3.2
2.4	**500**	**2.3**	568.6	"	"	14100	26000	2.9	405	2.8
2.1	**570**	**2.0**	651.7	"	"	14100	26000	2.5	475	2.4
1.9	**640**	**1.8**	722.2	"	"	14100	26000	2.3	520	2.2
1.6	**760**	**1.5**	859.8	"	"	14100	26000	1.9	640	1.8
1.4	**880**	**1.3**	1024	"	"	14100	26000	1.6	760	1.5
1.1	**1120**	**1.05**	1230	"	"	14100	26000	1.4	880	1.3
1.0	**1240**	**0.93**	1398	"	"	14100	26000	1.2	1030	1.1
1.4	**920**	**2.7**	1016	**BK60G20-../D06LA4**	123	16600	34000	1.6	770	3.2
1.1	**1220**	**2.0**	1322	"	"	16600	34000	1.3	980	2.6
0.85	**1610**	**1.55**	1618	"	"	16600	34000	1.1	1150	2.2
0.75	**1830**	**1.35**	1810	"	"	16600	34000	0.9	1450	1.7
0.7	**1980**	**1.25**	2010	"	"	16600	34000	0.85	1550	1.6
0.6	**2350**	**1.05**	2371	"	"	16600	34000	0.7	1950	1.3
0.8	**1720**	**3.3**	1696	**BK70G20-../D06LA4**	201	24100	50000	1.0	1290	4.4
0.7	**1940**	**2.9**	2040	"	"	24100	50000	0.8	1630	3.5
0.55	**2500**	**2.3**	2578	"	"	24100	50000	0.65	2000	2.9
0.45	**3150**	**1.8**	3041	"	"	24100	50000	0.55	2450	2.3
0.39	**3700**	**1.55**	3505	"	"	24100	50000	0.47	2950	1.95
0.35	**4200**	**1.35**	3894	"	"	24100	50000	0.42	3350	1.7
0.3	**5000**	**1.15**	4531	"	"	24100	50000	0.36	4050	1.4

P = 0.25 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
140	**15.6**	**5.1**	9.71	**BK06-../D05LA4**	9.5	880	-	167	13.1	6.1
116	**18.9**	**4.2**	11.67	"	"	930	-	139	15.8	5.1
89	**24**	**3.3**	15.29	"	"	1020	-	106	20	4.0
75	**28.5**	**2.8**	18.00	"	"	1080	-	90	23.5	3.4
63	**34**	**2.4**	21.54	"	"	1150	-	76	28	2.9
52	**41**	**1.95**	26.36	"	"	1230	-	62	34.5	2.3
41	**52**	**1.55**	33.33	"	"	1320	-	49	43.5	1.85
35.5	**60**	**1.35**	38.18	"	"	1380	-	42.5	50	1.6
28.5	**74**	**1.1**	47.78	"	"	1500	-	34	62	1.3
25	**84**	**0.81**	54.38	"	"	1600	-	30	70	0.97
33.5	**64**	**3.1**	40.79	**BK10-../D06LA4**	23	6000	-	40	53	3.8
28	**75**	**2.7**	48.96	"	"	6400	-	33.5	63	3.2
22	**96**	**2.1**	61.68	"	"	7000	-	26.5	80	2.5
19	**110**	**1.8**	72.31	"	"	7000	-	22.5	93	2.2
15.5	**134**	**1.35**	89.30	"	"	7000	-	18.5	112	1.6
13.5	**150**	**1.05**	102.5	"	"	7000	-	16	126	1.25
8.0	**245**	**0.82**	170.6	**BK10Z-../D06LA4**	24	7000	-	9.5	205	0.98
18	**116**	**2.8**	76.79	**BK20-../D06LA4**	33	7500	9000	21.5	97	3.4
15.5	**134**	**2.5**	88.12	"	"	8000	9000	18.5	112	2.9
12.5	**164**	**1.9**	108.6	"	"	8700	9000	15	136	2.3
11	**184**	**1.8**	124.2	**BK20Z-../D06LA4**	34	8700	9000	13.5	150	2.2
9.4	**210**	**1.55**	144.5	"	"	8700	9000	11.5	174	1.9
7.8	**250**	**1.3**	173.4	"	"	8700	9000	9.4	210	1.55
6.6	**295**	**1.1**	207.5	"	"	8700	9000	7.9	245	1.35
5.2	**375**	**0.88**	259.9	"	"	8700	9000	6.3	310	1.05
13.5	**150**	**3.0**	102.4	**BK30-../D06LA4**	39	11200	12000	16	126	3.6
11	**184**	**2.4**	123.9	**BK30Z-../D06LA4**	41	11200	12000	13.5	150	3.0
9.4	**210**	**2.1**	145.1	"	"	11200	12000	11.5	174	2.6
7.4	**265**	**1.7**	184.8	"	"	11200	12000	8.8	225	2.0
6.3	**310**	**1.45**	216.5	"	"	11200	12000	7.5	260	1.75

P = 0.25 kW

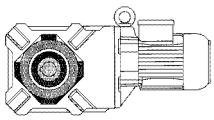


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
5.3	**365**	**1.25**	255.3	**BK30Z-../D06LA4**	"	11200	12000	6.4	305	1.5
4.4	**440**	**0.88**	308.3	"	"	11200	12000	5.3	365	1.05
8.0	**245**	**3.2**	169.0	**BK40Z-../D06LA4**	64	11700	17000	9.6	205	3.8
6.4	**305**	**2.6**	211.5	"	"	11700	17000	7.7	250	3.1
5.5	**350**	**2.2**	246.6	"	"	11700	17000	6.6	290	2.7
4.7	**410**	**1.65**	289.8	"	"	11700	17000	5.6	345	2.0
3.9	**495**	**1.15**	348.7	"	"	11700	17000	4.7	410	1.4
3.2	**590**	**0.97**	430.0	"	"	11700	17000	3.8	500	1.15
2.8	**610**	**1.4**	487.3	**BK40G10-../D06LA4**	68	11700	17000	3.4	495	1.7
2.5	**680**	**1.25**	540.0	"	"	11700	17000	3.0	560	1.5
2.1	**810**	**1.05**	660.2	"	"	11700	17000	2.5	680	1.25
1.8	**950**	**0.89**	756.7	"	"	11700	17000	2.2	770	1.1
1.7	**1020**	**0.83**	838.4	"	"	11700	17000	2.0	860	0.99
5.2	**370**	**2.8**	264.5	**BK50Z-../D06LA4**	92	14100	26000	6.2	310	3.4
4.2	**460**	**2.2**	328.2	"	"	14100	26000	5.0	385	2.6
3.3	**570**	**1.5**	414.8	"	"	14100	26000	4.0	475	1.8
3.0	**570**	**2.0**	465.1	**BK50G10-../D06LA4**	96	14100	26000	3.5	485	2.4
2.7	**630**	**1.85**	513.4	"	"	14100	26000	3.2	530	2.2
2.4	**720**	**1.6**	568.6	"	"	14100	26000	2.9	590	1.95
2.1	**820**	**1.4**	651.7	"	"	14100	26000	2.5	680	1.7
1.9	**910**	**1.25**	722.2	"	"	14100	26000	2.3	750	1.55
1.6	**1090**	**1.05**	859.8	"	"	14100	26000	1.9	910	1.25
1.4	**1250**	**0.92**	1024	"	"	14100	26000	1.6	1090	1.05
2.2	**820**	**3.0**	621.5	**BK60G20-../D06LA4**	123	16600	34000	2.7	620	4.0
1.8	**1010**	**2.5**	752.1	"	"	16600	34000	2.2	770	3.2
1.6	**1150**	**2.2**	887.8	"	"	16600	34000	1.9	920	2.7
1.4	**1400**	**1.8**	1016	"	"	16600	34000	1.6	1190	2.1
1.1	**1830**	**1.35**	1322	"	"	16600	34000	1.3	1500	1.65
0.85	**2350**	**1.05**	1618	"	"	16600	34000	1.1	1760	1.4
1.1	**1790**	**3.2**	1280	**BK70G20-../D06LA4**	201	24100	50000	1.3	1450	3.9
0.95	**2050**	**2.8**	1457	"	"	24100	50000	1.2	1560	3.7
0.8	**2550**	**2.2**	1696	"	"	24100	50000	1.0	1950	2.9
0.7	**2850**	**2.0**	2040	"	"	24100	50000	0.8	2450	2.3
0.55	**3700**	**1.55**	2578	"	"	24100	50000	0.65	3050	1.85
0.45	**4650**	**1.25**	3041	"	"	24100	50000	0.55	3650	1.55
0.39	**5400**	**1.05**	3505	"	"	24100	50000	0.47	4350	1.3

P = 0.3 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
140	**18.8**	**4.3**	9.71	**BK06-../D07LA4**	14	880	-	167	15.7	5.1
116	**22.5**	**3.6**	11.67	"	"	930	-	139	18.9	4.2
89	**29**	**2.8**	15.29	"	"	1020	-	106	24.5	3.3
75	**34**	**2.4**	18.00	"	"	1080	-	90	28.5	2.8
63	**40.5**	**2.0**	21.54	"	"	1150	-	76	33.5	2.4
52	**49.5**	**1.6**	26.36	"	"	1230	-	62	41.5	1.95
41	**62**	**1.3**	33.33	"	"	1320	-	49	52	1.55
35.5	**72**	**1.1**	38.18	"	"	1380	-	42.5	60	1.35
28.5	**89**	**0.9**	47.78	"	"	1500	-	34	74	1.1
39.5	**65**	**3.1**	34.25	**BK10-../D07LA4**	26	5600	-	47.5	54	3.7
33.5	**76**	**2.6**	40.79	"	"	6000	-	40	64	3.1
28	**91**	**2.2**	48.96	"	"	6400	-	33.5	76	2.6
22	**115**	**1.75**	61.68	"	"	7000	-	26.5	96	2.1
19	**132**	**1.5**	72.31	"	"	7000	-	22.5	112	1.8
15.5	**160**	**1.1**	89.30	"	"	7000	-	18.5	134	1.35
13.5	**180**	**0.87**	102.5	"	"	7000	-	16	152	1.05
22.5	**113**	**2.9**	61.30	**BK20-../D07LA4**	35	6500	9000	26.5	96	3.4
18	**140**	**2.4**	76.79	"	"	7500	9000	21.5	117	2.8

P = 0.3 kW

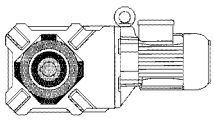


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
15.5	**160**	**2.1**	88.12	**BK20-../D07LA4**	"	8000	9000	18.5	134	2.5
12.5	**197**	**1.6**	108.6	"	"	8700	9000	15	164	1.9
11	**220**	**1.5**	124.2	**BK20Z-../D07LA4**	37	8700	9000	13.5	180	1.85
9.4	**255**	**1.3**	144.5	"	"	8700	9000	11.5	205	1.6
7.8	**300**	**1.1**	173.4	"	"	8700	9000	9.4	250	1.3
6.6	**355**	**0.93**	207.5	"	"	8700	9000	7.9	295	1.1
15.5	**158**	**2.8**	88.38	**BK30-../D07LA4**	41	10600	12000	18.5	133	3.4
13.5	**180**	**2.5**	102.4	"	"	11200	12000	16	152	3.0
11	**220**	**2.0**	123.9	**BK30Z-../D07LA4**	44	11200	12000	13.5	180	2.5
9.4	**255**	**1.75**	145.1	"	"	11200	12000	11.5	205	2.2
7.4	**320**	**1.4**	184.8	"	"	11200	12000	8.8	270	1.65
6.3	**370**	**1.2**	216.5	"	"	11200	12000	7.5	310	1.45
5.3	**440**	**1.0**	255.3	"	"	11200	12000	6.4	365	1.25
9.5	**250**	**3.1**	143.0	**BK40Z-../D07LA4**	66	11700	17000	11.5	205	3.8
8.0	**295**	**2.6**	169.0	"	"	11700	17000	9.6	245	3.2
6.4	**365**	**2.1**	211.5	"	"	11700	17000	7.7	305	2.6
5.5	**420**	**1.85**	246.6	"	"	11700	17000	6.6	350	2.2
4.7	**490**	**1.4**	289.8	"	"	11700	17000	5.6	410	1.65
3.9	**590**	**0.98**	348.7	"	"	11700	17000	4.7	490	1.2
3.2	**710**	**0.81**	430.0	"	"	11700	17000	3.8	600	0.96
2.8	**740**	**1.15**	487.3	**BK40G10-../D07LA4**	71	11700	17000	3.4	600	1.4
2.5	**830**	**1.0**	540.0	"	"	11700	17000	3.0	680	1.25
2.1	**990**	**0.86**	660.2	"	"	11700	17000	2.5	830	1.0
6.6	**355**	**3.0**	206.8	**BK50Z-../D07LA4**	95	14100	26000	7.9	295	3.6
5.2	**445**	**2.4**	264.5	"	"	14100	26000	6.2	370	2.8
4.2	**550**	**1.85**	328.2	"	"	14100	26000	5.0	460	2.2
3.3	**690**	**1.2**	414.8	"	"	14100	26000	4.0	570	1.5
3.0	**700**	**1.65**	465.1	**BK50G10-../D07LA4**	99	14100	26000	3.5	590	1.95
2.7	**780**	**1.45**	513.4	"	"	14100	26000	3.2	650	1.75
2.4	**870**	**1.3**	568.6	"	"	14100	26000	2.9	720	1.6
2.1	**1000**	**1.15**	651.7	"	"	14100	26000	2.5	830	1.4
1.9	**1110**	**1.05**	722.2	"	"	14100	26000	2.3	910	1.25
1.6	**1320**	**0.87**	859.8	"	"	14100	26000	1.9	1110	1.05
2.2	**1040**	**2.4**	621.5	**BK60G20-../D07LA4**	125	16600	34000	2.7	800	3.1
1.8	**1270**	**1.95**	752.1	"	"	16600	34000	2.2	980	2.6
1.6	**1450**	**1.7**	887.8	"	"	16600	34000	1.9	1170	2.1
1.4	**1740**	**1.45**	1016	"	"	16600	34000	1.6	1490	1.7
1.1	**2250**	**1.1**	1322	"	"	16600	34000	1.3	1860	1.35
1.2	**1950**	**2.9**	1139	**BK70G20-../D07LA4**	204	24100	50000	1.5	1480	3.9
1.1	**2200**	**2.6**	1280	"	"	24100	50000	1.3	1820	3.1
0.95	**2550**	**2.2**	1457	"	"	24100	50000	1.2	1950	2.9
0.8	**3150**	**1.8**	1696	"	"	24100	50000	1.0	2400	2.4
0.7	**3550**	**1.6**	2040	"	"	24100	50000	0.8	3050	1.85
0.55	**4600**	**1.25**	2578	"	"	24100	50000	0.65	3800	1.5

P = 0.37 kW

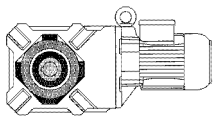
50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
140	**23**	**3.5**	9.71	**BK06-../D07LA4**	14	880	-	167	19.4	4.1
116	**28**	**2.9**	11.67	"	"	930	-	139	23	3.5
89	**36**	**2.2**	15.29	"	"	1020	-	106	30	2.7
75	**42**	**1.9**	18.00	"	"	1080	-	90	35	2.3
63	**50**	**1.6**	21.54	"	"	1150	-	76	41.5	1.95
52	**61**	**1.3**	26.36	"	"	1230	-	62	51	1.55
41	**77**	**1.05**	33.33	"	"	1320	-	49	64	1.25
35.5	**89**	**0.9**	38.18	"	"	1380	-	42.5	74	1.1

P = 0.37 kW



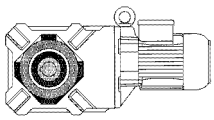
50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
47	**67**	**3.0**	28.76	**BK10-../D07LA4**	26	5200	-	57	55	3.6
39.5	**80**	**2.5**	34.25	"	"	5600	-	47.5	66	3.0
33.5	**94**	**2.1**	40.79	"	"	6000	-	40	79	2.5
28	**112**	**1.8**	48.96	"	"	6400	-	33.5	93	2.2
22	**142**	**1.4**	61.68	"	"	7000	-	26.5	118	1.7
19	**163**	**1.25**	72.31	"	"	7000	-	22.5	138	1.45
15.5	**198**	**0.9**	89.30	"	"	7000	-	18.5	166	1.05
32	**99**	**3.3**	42.70	**BK20-../D07LA4**	35	5800	9000	38	83	4.0
26.5	**118**	**2.8**	51.22	"	"	6300	9000	32	98	3.4
22.5	**139**	**2.4**	61.30	"	"	6500	9000	26.5	118	2.8
18	**172**	**1.9**	76.79	"	"	7500	9000	21.5	144	2.3
15.5	**198**	**1.65**	88.12	"	"	8000	9000	18.5	166	2.0
12.5	**240**	**1.3**	108.6	"	"	8700	9000	15	200	1.6
11	**270**	**1.2**	124.2	**BK20Z-../D07LA4**	37	8700	9000	13.5	220	1.5
9.4	**315**	**1.05**	144.5	"	"	8700	9000	11.5	255	1.3
7.8	**375**	**0.88**	173.4	"	"	8700	9000	9.4	310	1.05
23	**135**	**3.3**	59.27	**BK30-../D07LA4**	41	8900	12000	27.5	113	4.0
19	**161**	**2.8**	71.56	"	"	9700	12000	23	133	3.4
15.5	**196**	**2.3**	88.38	"	"	10600	12000	18.5	164	2.7
13.5	**220**	**2.0**	102.4	"	"	11200	12000	16	187	2.4
11	**270**	**1.65**	123.9	**BK30Z-../D07LA4**	44	11200	12000	13.5	220	2.0
9.4	**315**	**1.45**	145.1	"	"	11200	12000	11.5	255	1.75
7.4	**395**	**1.15**	184.8	"	"	11200	12000	8.8	330	1.35
6.3	**455**	**0.99**	216.5	"	"	11200	12000	7.5	385	1.15
5.3	**540**	**0.83**	255.3	"	"	11200	12000	6.4	450	1.0
11.5	**260**	**3.0**	118.2	**BK40Z-../D07LA4**	66	11700	17000	14	210	3.7
9.5	**310**	**2.5**	143.0	"	"	11700	17000	11.5	255	3.1
8.0	**365**	**2.1**	169.0	"	"	11700	17000	9.6	305	2.6
6.4	**450**	**1.75**	211.5	"	"	11700	17000	7.7	375	2.1
5.5	**520**	**1.5**	246.6	"	"	11700	17000	6.6	430	1.8
4.7	**600**	**1.15**	289.8	"	"	11700	17000	5.6	510	1.35
3.9	**730**	**0.8**	348.7	"	"	11700	17000	4.7	600	0.97
2.8	**930**	**0.91**	487.3	**BK40G10-../D07LA4**	71	11700	17000	3.4	760	1.1
2.5	**1040**	**0.82**	540.0	"	"	11700	17000	3.0	860	0.99
8.9	**325**	**3.2**	153.3	**BK50Z-../D07LA4**	95	14100	26000	11	265	4.0
6.6	**435**	**2.4**	206.8	"	"	14100	26000	7.9	365	2.9
5.2	**550**	**1.9**	264.5	"	"	14100	26000	6.2	460	2.3
4.2	**680**	**1.5**	328.2	"	"	14100	26000	5.0	570	1.75
3.3	**850**	**0.99**	414.8	"	"	14100	26000	4.0	700	1.2
3.0	**870**	**1.3**	465.1	**BK50G10-../D07LA4**	99	14100	26000	3.5	740	1.55
2.7	**970**	**1.2**	513.4	"	"	14100	26000	3.2	810	1.4
2.4	**1090**	**1.05**	568.6	"	"	14100	26000	2.9	900	1.3
2.1	**1250**	**0.92**	651.7	"	"	14100	26000	2.5	1050	1.1
1.9	**1380**	**0.83**	722.2	"	"	14100	26000	2.3	1140	1.0
2.2	**1340**	**1.85**	621.5	**BK60G20-../D07LA4**	125	16600	34000	2.7	1040	2.4
1.8	**1640**	**1.5**	752.1	"	"	16600	34000	2.2	1290	1.95
1.6	**1870**	**1.35**	887.8	"	"	16600	34000	1.9	1520	1.65
1.4	**2200**	**1.15**	1016	"	"	16600	34000	1.6	1900	1.3
1.1	**2850**	**0.88**	1322	"	"	16600	34000	1.3	2350	1.05
1.6	**1850**	**3.1**	847.7	**BK70G20-../D07LA4**	204	24100	50000	2.0	1410	4.0
1.4	**2100**	**2.7**	964.6	"	"	24100	50000	1.7	1670	3.4
1.2	**2500**	**2.3**	1139	**BK70G20-../D07LA4**	"	24100	50000	1.5	1920	3.0
1.1	**2800**	**2.0**	1280	"	"	24100	50000	1.3	2300	2.5
0.95	**3250**	**1.75**	1457	"	"	24100	50000	1.2	2500	2.3
0.8	**3950**	**1.45**	1696	"	"	24100	50000	1.0	3100	1.85
0.7	**4500**	**1.25**	2040	"	"	24100	50000	0.8	3900	1.45

P = 0.55 kW



50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
194	**24.5**	**3.0**	7.25	**BK06-../D08MA4**	15	790	-	235	20.5	3.6
145	**33**	**2.4**	9.71	"	"	880	-	174	27.5	2.9
120	**40**	**2.0**	11.67	"	"	930	-	144	33.5	2.4
92	**51**	**1.55**	15.29	"	"	1020	-	110	43	1.85
78	**60**	**1.35**	18.00	"	"	1080	-	94	50	1.6
65	**72**	**1.1**	21.54	"	"	1150	-	78	60	1.35
54	**87**	**0.92**	26.36	"	"	1230	-	64	73	1.1
118	**40.5**	**2.8**	11.93	**BK10-../D08MA4**	27	3100	-	141	34	3.4
83	**56**	**2.4**	16.92	"	"	3700	-	100	47	2.9
76	**62**	**3.2**	18.52	"	"	4300	-	91	51	3.9
62	**76**	**2.6**	22.65	"	"	4650	-	75	63	3.2
49	**96**	**2.1**	28.76	"	"	5200	-	59	80	2.5
41	**115**	**1.75**	34.25	"	"	5600	-	49.5	95	2.1
34.5	**137**	**1.45**	40.79	"	"	6000	-	41.5	113	1.75
29	**161**	**1.25**	48.96	"	"	6400	-	34.5	135	1.5
23	**200**	**1.0**	61.68	"	"	7000	-	27.5	169	1.2
19.5	**235**	**0.85**	72.31	"	"	7000	-	23.5	196	1.0
38.5	**122**	**2.7**	36.69	**BK20-../D08MA4**	36	5400	9000	46	102	3.2
33	**143**	**2.3**	42.70	"	"	5800	9000	39.5	119	2.8
27.5	**169**	**1.95**	51.22	"	"	6300	9000	33	141	2.3
23	**200**	**1.65**	61.30	"	"	6500	9000	27.5	169	1.95
18.5	**245**	**1.35**	76.79	"	"	7500	9000	22	210	1.55
16	**285**	**1.15**	88.12	"	"	8000	9000	19.5	230	1.45
13	**345**	**0.91**	108.6	"	"	8700	9000	15.5	290	1.1
11.5	**385**	**0.86**	124.2	**BK20Z-../D08MA4**	38	8700	9000	14	315	1.05
33	**141**	**3.2**	42.89	**BK30-../D08MA4**	42	7800	12000	39.5	118	3.8
28	**165**	**2.7**	50.27	"	"	8300	12000	33.5	137	3.3
24	**192**	**2.3**	59.27	"	"	8900	12000	28.5	162	2.8
20	**225**	**2.0**	71.56	"	"	9700	12000	23.5	194	2.3
16	**280**	**1.6**	88.38	"	"	10600	12000	19.5	230	1.95
14	**315**	**1.45**	102.4	"	"	11200	12000	16.5	270	1.65
11.5	**385**	**1.15**	123.9	**BK30Z-../D08MA4**	45	11200	12000	14	315	1.45
9.7	**450**	**1.0**	145.1	"	"	11200	12000	12	365	1.25
17	**265**	**2.9**	84.36	**BK40-../D08MA4**	63	10700	17000	20	225	3.5
13.5	**330**	**2.4**	104.0	"	"	11700	17000	16.5	270	2.9
12	**370**	**2.1**	118.2	**BK40Z-../D08MA4**	67	11700	17000	14.5	305	2.6
9.8	**450**	**1.75**	143.0	"	"	11700	17000	12	365	2.1
8.3	**520**	**1.5**	169.0	"	"	11700	17000	10	435	1.8
6.7	**640**	**1.2**	211.5	"	"	11700	17000	8.0	530	1.45
5.7	**740**	**1.05**	246.6	"	"	11700	17000	6.9	610	1.3
4.9	**860**	**0.8**	289.8	"	"	11700	17000	5.8	730	0.94
12.5	**355**	**3.0**	115.4	**BK50Z-../D08MA4**	96	14100	26000	15	295	3.6
9.2	**470**	**2.2**	153.3	"	"	14100	26000	11	395	2.7
6.8	**630**	**1.65**	206.8	"	"	14100	26000	8.2	520	2.0
5.3	**800**	**1.3**	264.5	"	"	14100	26000	6.4	660	1.6
4.3	**980**	**1.05**	328.2	"	"	14100	26000	5.2	810	1.25
3.1	**1290**	**0.89**	465.1	**BK50G10-../D08MA4**	100	14100	26000	3.7	1080	1.05
2.8	**1420**	**0.81**	513.4	"	"	14100	26000	3.3	1210	0.95
6.9	**760**	**3.0**	205.0	**BK60Z-../D08MA4**	119	16600	34000	8.2	640	3.6
5.9	**890**	**2.6**	239.7	"	"	16600	34000	7.1	730	3.2
5.3	**990**	**2.3**	268.2	"	"	16600	34000	6.3	830	2.8
4.5	**1160**	**2.0**	317.7	"	"	16600	34000	5.3	990	2.3
4.0	**1310**	**1.75**	355.5	"	"	16600	34000	4.8	1090	2.1
3.5	**1500**	**1.55**	411.5	"	"	16600	34000	4.1	1280	1.8
3.1	**1690**	**1.35**	460.4	"	"	16600	34000	3.7	1410	1.65
2.9	**1810**	**1.25**	498.0	"	"	16600	34000	3.4	1540	1.5
2.6	**2000**	**1.15**	557.2	"	"	16600	34000	3.1	1690	1.35
2.3	**2000**	**1.25**	621.5	**BK60G20-../D08MA4**	126	16600	34000	2.8	1610	1.55
1.9	**2400**	**1.05**	752.1	"	"	16600	34000	2.3	1960	1.3
1.6	**2900**	**0.86**	887.8	"	"	16600	34000	1.9	2400	1.05

P = 0.55 kW

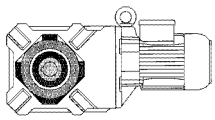


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
3.3	**1590**	**3.3**	432.1	**BK70Z-../D08MA4**	207	24100	50000	3.9	1340	3.9
2.8	**1870**	**2.8**	501.8	"	"	24100	50000	3.4	1540	3.4
2.5	**2100**	**2.5**	570.8	"	"	24100	50000	3.0	1750	3.0
2.2	**2350**	**2.2**	644.9	"	"	24100	50000	2.7	1940	2.7
2.0	**2600**	**2.0**	733.6	"	"	24100	50000	2.3	2250	2.3
1.7	**2700**	**2.1**	847.7	**BK70G20-../D08MA4**	205	24100	50000	2.0	2250	2.5
1.5	**3050**	**1.85**	964.6	"	"	24100	50000	1.8	2500	2.3
1.3	**3600**	**1.6**	1139	"	"	24100	50000	1.5	3050	1.85
1.1	**4350**	**1.3**	1280	"	"	24100	50000	1.4	3350	1.7
1.0	**4800**	**1.2**	1457	"	"	24100	50000	1.2	3900	1.45
1.1	**3750**	**3.1**	1307	**BK80G40-../D08MA4**	347	30000	75000	1.3	3000	3.8
1.0	**4050**	**2.8**	1425	"	"	30000	75000	1.2	3150	3.7
0.9	**4600**	**2.5**	1583	"	"	30000	75000	1.1	3550	3.2
0.8	**5200**	**2.2**	1775	"	"	30000	75000	0.95	4200	2.7
0.65	**6600**	**1.75**	2205	"	"	30000	75000	0.8	5100	2.3
0.6	**7300**	**1.6**	2449	"	"	30000	75000	0.7	6000	1.9
0.5	**9000**	**1.3**	2811	"	"	30000	75000	0.6	7200	1.6
0.45	**10200**	**1.15**	3120	"	"	30000	75000	0.55	8000	1.45
0.55	**7400**	**2.5**	2764	**BK90G50-../D08MA4**	620	49400	120000	0.65	5900	3.1
0.46	**9300**	**2.0**	3065	"	"	49400	120000	0.55	7400	2.5
0.39	**11300**	**1.65**	3672	"	"	49400	120000	0.46	9300	2.0
0.35	**12900**	**1.45**	4070	"	"	49400	120000	0.42	10300	1.8
0.29	**16000**	**1.15**	4952	"	"	49400	120000	0.34	13300	1.4
0.26	**18000**	**1.05**	5491	"	"	49400	120000	0.31	14800	1.25

P = 0.75 kW

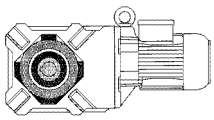
50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
194	**33.5**	**2.2**	7.25	**BK06-../D08LA4**	16	790	-	235	28	2.6
145	**45**	**1.8**	9.71	"	"	880	-	174	37.5	2.1
120	**54**	**1.5**	11.67	"	"	930	-	144	45.5	1.75
92	**70**	**1.15**	15.29	"	"	1020	-	110	59	1.35
78	**82**	**0.98**	18.00	"	"	1080	-	94	68	1.2
65	**99**	**0.81**	21.54	"	"	1150	-	78	82	0.98
183	**36**	**3.2**	7.68	**BK10-../D08LA4**	28	2400	-	220	29.5	3.9
149	**44**	**2.6**	9.40	"	"	2700	-	179	36.5	3.2
118	**55**	**2.1**	11.93	"	"	3100	-	141	46.5	2.5
97	**66**	**3.0**	14.50	"	"	3900	-	116	55	3.6
83	**77**	**1.75**	16.92	"	"	3700	-	100	64	2.1
76	**84**	**2.4**	18.52	"	"	4300	-	91	70	2.9
62	**103**	**1.95**	22.65	"	"	4650	-	75	85	2.4
49	**131**	**1.55**	28.76	"	"	5200	-	59	109	1.85
41	**157**	**1.25**	34.25	"	"	5600	-	49.5	130	1.55
34.5	**186**	**1.1**	40.79	"	"	6000	-	41.5	155	1.3
29	**215**	**0.93**	48.96	"	"	6400	-	34.5	184	1.1
81	**80**	**2.9**	17.42	**BK20-../D08LA4**	38	3250	9000	97	67	3.4
58	**111**	**3.0**	24.29	"	"	4500	9000	70	92	3.6
49	**131**	**2.5**	28.66	"	"	4850	9000	59	109	3.0
38.5	**167**	**2.0**	36.69	"	"	5400	9000	46	140	2.4
33	**195**	**1.7**	42.70	"	"	5800	9000	39.5	163	2.0
27.5	**230**	**1.45**	51.22	"	"	6300	9000	33	193	1.7
23	**275**	**1.2**	61.30	"	"	6500	9000	27.5	230	1.45
18.5	**340**	**0.97**	76.79	"	"	7500	9000	22	285	1.15
16	**385**	**0.86**	88.12	"	"	8000	9000	19.5	315	1.05
42	**153**	**2.9**	33.70	**BK30-../D08LA4**	44	7000	12000	50	128	3.5
33	**193**	**2.3**	42.89	"	"	7800	12000	39.5	161	2.8
28	**225**	**2.0**	50.27	"	"	8300	12000	33.5	188	2.4
24	**260**	**1.75**	59.27	"	"	8900	12000	28.5	220	2.0

P = 0.75 kW



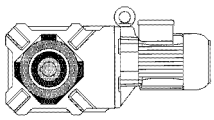
50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
20	**310**	**1.45**	71.56	**BK30-../D08LA4**	"	9700	12000	23.5	265	1.7
16	**380**	**1.2**	88.38	"	"	10600	12000	19.5	315	1.45
14	**430**	**1.05**	102.4	"	"	11200	12000	16.5	365	1.25
11.5	**520**	**0.87**	123.9	**BK30Z-../D08LA4**	46	11200	12000	14	430	1.05
23.5	**265**	**2.9**	59.66	**BK40-../D08LA4**	64	9100	17000	28.5	220	3.5
20	**310**	**2.5**	70.11	"	"	9800	17000	24	255	3.1
17	**365**	**2.1**	84.36	"	"	10700	17000	20	310	2.5
13.5	**450**	**1.75**	104.0	"	"	11700	17000	16.5	365	2.1
12	**500**	**1.55**	118.2	**BK40Z-../D08LA4**	69	11700	17000	14.5	415	1.9
9.8	**610**	**1.3**	143.0	"	"	11700	17000	12	500	1.55
8.3	**710**	**1.1**	169.0	"	"	11700	17000	10	590	1.3
6.7	**870**	**0.9**	211.5	"	"	11700	17000	8.0	730	1.05
19	**325**	**3.2**	75.40	**BK50-../D08LA4**	93	12600	26000	22.5	275	3.8
15	**410**	**2.6**	95.29	"	"	14100	26000	18	340	3.1
12.5	**485**	**2.2**	115.4	**BK50Z-../D08LA4**	98	14100	26000	15	405	2.6
9.2	**640**	**1.65**	153.3	"	"	14100	26000	11	540	1.95
6.8	**860**	**1.2**	206.8	"	"	14100	26000	8.2	710	1.5
5.3	**1090**	**0.96**	264.5	"	"	14100	26000	6.4	900	1.15
9.2	**770**	**3.0**	153.7	**BK60Z-../D08LA4**	120	16600	34000	11	650	3.5
7.7	**930**	**2.5**	183.2	"	"	16600	34000	9.2	770	3.0
6.9	**1030**	**2.2**	205.0	"	"	16600	34000	8.2	870	2.6
5.9	**1210**	**1.9**	239.7	"	"	16600	34000	7.1	1000	2.3
5.3	**1350**	**1.7**	268.2	"	"	16600	34000	6.3	1130	2.0
4.5	**1590**	**1.45**	317.7	"	"	16600	34000	5.3	1350	1.7
4.0	**1790**	**1.3**	355.5	"	"	16600	34000	4.8	1490	1.55
3.5	**2000**	**1.15**	411.5	"	"	16600	34000	4.1	1740	1.3
3.1	**2300**	**1.0**	460.4	"	"	16600	34000	3.7	1930	1.2
2.9	**2450**	**0.94**	498.0	"	"	16600	34000	3.4	2100	1.1
2.6	**2750**	**0.84**	557.2	"	"	16600	34000	3.1	2300	1.0
2.3	**2850**	**0.88**	621.5	**BK60G20-../D08LA4**	128	16600	34000	2.8	2250	1.1
4.2	**1700**	**3.1**	333.6	**BK70Z-../D08LA4**	208	24100	50000	5.1	1400	3.7
3.7	**1930**	**2.7**	379.9	"	"	24100	50000	4.5	1590	3.3
3.3	**2150**	**2.4**	432.1	"	"	24100	50000	3.9	1830	2.8
2.8	**2550**	**2.0**	501.8	"	"	24100	50000	3.4	2100	2.5
2.5	**2850**	**1.8**	570.8	"	"	24100	50000	3.0	2350	2.2
2.2	**3250**	**1.6**	644.9	"	"	24100	50000	2.7	2650	1.95
2.0	**3550**	**1.45**	733.6	"	"	24100	50000	2.3	3100	1.7
1.7	**3850**	**1.5**	847.7	**BK70G20-../D08LA4**	206	24100	50000	2.0	3200	1.8
1.5	**4350**	**1.3**	964.6	"	"	24100	50000	1.8	3550	1.6
1.3	**5000**	**1.15**	1139	"	"	24100	50000	1.5	4300	1.35
1.1	**6100**	**0.93**	1280	"	"	24100	50000	1.4	4700	1.2
1.0	**6700**	**0.85**	1457	"	"	24100	50000	1.2	5500	1.05
1.5	**3850**	**3.0**	963.0	**BK80G40-../D08LA4**	348	30000	75000	1.8	3050	3.8
1.3	**4450**	**2.6**	1079	"	"	30000	75000	1.6	3450	3.3
1.1	**5400**	**2.1**	1307	"	"	30000	75000	1.3	4450	2.6
1.0	**5900**	**1.95**	1425	"	"	30000	75000	1.2	4750	2.4
0.9	**6700**	**1.7**	1583	"	"	30000	75000	1.1	5200	2.2
0.8	**7600**	**1.5**	1775	"	"	30000	75000	0.95	6200	1.85
0.65	**9600**	**1.2**	2205	"	"	30000	75000	0.8	7500	1.55
0.6	**10400**	**1.1**	2449	"	"	30000	75000	0.7	8700	1.3
0.9	**6400**	**2.9**	1579	**BK90G50-../D08LA4**	621	49400	120000	1.1	5000	3.7
0.8	**7200**	**2.6**	1803	"	"	49400	120000	0.95	5800	3.2
0.7	**8300**	**2.2**	2016	"	"	49400	120000	0.85	6500	2.8
0.55	**10900**	**1.7**	2764	"	"	49400	120000	0.65	8900	2.1
0.46	**13400**	**1.4**	3065	"	"	49400	120000	0.55	10900	1.7
0.39	**16200**	**1.15**	3672	"	"	49400	120000	0.46	13400	1.4
0.35	**18300**	**1.0**	4070	"	"	49400	120000	0.42	14900	1.25

P = 1.1 kW



50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
320	**30**	**3.2**	4.44	**BK10-../D09SA4**	32	1890	-	380	25	3.8
235	**41**	**2.6**	6.02	"	"	2100	-	280	34.5	3.0
183	**52**	**2.2**	7.68	"	"	2400	-	220	43.5	2.6
149	**64**	**1.8**	9.40	"	"	2700	-	179	53	2.2
131	**72**	**2.5**	10.70	"	"	3500	-	158	59	3.1
118	**81**	**1.4**	11.93	"	"	3100	-	141	68	1.7
97	**97**	**2.1**	14.50	"	"	3900	-	116	81	2.5
83	**113**	**1.2**	16.92	"	"	3700	-	100	94	1.45
76	**124**	**1.6**	18.52	"	"	4300	-	91	103	1.95
62	**152**	**1.3**	22.65	"	"	4650	-	75	126	1.6
49	**192**	**1.05**	28.76	"	"	5200	-	59	160	1.25
41	**230**	**0.87**	34.25	"	"	5600	-	49.5	191	1.05
120	**80**	**2.9**	11.69	**BK20-../D09SA4**	42	2400	8800	144	67	3.4
95	**99**	**3.3**	14.75	"	"	3650	9000	114	82	4.0
81	**118**	**1.95**	17.42	"	"	3250	9000	97	98	2.4
73	**129**	**2.6**	19.39	"	"	4050	9000	87	108	3.1
58	**163**	**2.0**	24.29	"	"	4500	9000	70	135	2.4
49	**192**	**1.7**	28.66	"	"	4850	9000	59	160	2.1
38.5	**245**	**1.35**	36.69	"	"	5400	9000	46	205	1.6
33	**285**	**1.15**	42.70	"	"	5800	9000	39.5	235	1.4
27.5	**335**	**0.99**	51.22	"	"	6300	9000	33	280	1.2
23	**405**	**0.81**	61.30	"	"	6500	9000	27.5	335	0.99
68	**140**	**2.3**	20.85	**BK30-../D09SA4**	48	5000	12000	81	118	2.7
61	**154**	**2.9**	23.20	"	"	5900	12000	73	129	3.5
49	**192**	**2.3**	28.76	"	"	6500	12000	59	160	2.8
42	**225**	**2.0**	33.70	"	"	7000	12000	50	189	2.4
33	**280**	**1.6**	42.89	"	"	7800	12000	39.5	235	1.9
28	**330**	**1.35**	50.27	"	"	8300	12000	33.5	275	1.65
24	**385**	**1.15**	59.27	"	"	8900	12000	28.5	320	1.4
20	**455**	**0.99**	71.56	"	"	9700	12000	23.5	385	1.15
16	**560**	**0.8**	88.38	"	"	10600	12000	19.5	460	0.98
34.5	**270**	**2.9**	40.88	**BK40-../D09SA4**	68	7600	17000	41.5	225	3.5
27.5	**335**	**2.3**	51.18	"	"	8400	17000	33	280	2.8
23.5	**390**	**2.0**	59.66	"	"	9100	17000	28.5	320	2.4
20	**455**	**1.7**	70.11	"	"	9800	17000	24	380	2.1
17	**530**	**1.45**	84.36	"	"	10700	17000	20	455	1.7
13.5	**660**	**1.2**	104.0	"	"	11700	17000	16.5	540	1.45
12	**740**	**1.05**	118.2	**BK40Z-../D09SA4**	72	11700	17000	14.5	610	1.3
9.8	**900**	**0.87**	143.0	"	"	11700	17000	12	730	1.05
29.5	**315**	**3.3**	47.50	**BK50-../D09SA4**	96	10100	25700	35.5	260	4.0
23.5	**390**	**2.7**	60.76	"	"	11400	26000	28	330	3.2
19	**480**	**2.2**	75.40	"	"	12600	26000	22.5	405	2.6
15	**600**	**1.75**	95.29	"	"	14100	26000	18	500	2.1
12.5	**710**	**1.5**	115.4	**BK50Z-../D09SA4**	101	14100	26000	15	590	1.8
9.2	**940**	**1.1**	153.3	"	"	14100	26000	11	790	1.35
6.8	**1260**	**0.83**	206.8	"	"	14100	26000	8.2	1050	1.0
14	**750**	**3.1**	101.2	**BK60-../D09SA4**	105	13900	34000	17	610	3.8
12.5	**840**	**2.7**	113.2	"	"	15000	34000	15	700	3.3
11.5	**910**	**2.5**	122.5	"	"	15500	34000	14	750	3.1
10.5	**1000**	**2.3**	137.0	"	"	16600	34000	12.5	840	2.7
9.2	**1140**	**2.0**	153.7	**BK60Z-../D09SA4**	124	16600	34000	11	950	2.4
7.7	**1360**	**1.7**	183.2	"	"	16600	34000	9.2	1140	2.0
6.9	**1520**	**1.5**	205.0	"	"	16600	34000	8.2	1280	1.8
5.9	**1780**	**1.3**	239.7	"	"	16600	34000	7.1	1470	1.55
5.3	**1980**	**1.15**	268.2	"	"	16600	34000	6.3	1660	1.4
4.5	**2300**	**1.0**	317.7	"	"	16600	34000	5.3	1980	1.15
4.0	**2600**	**0.88**	355.5	"	"	16600	34000	4.8	2150	1.05
6.2	**1690**	**3.1**	226.2	**BK70Z-../D09SA4**	212	24100	50000	7.5	1400	3.7
5.5	**1910**	**2.7**	257.3	"	"	24100	50000	6.6	1590	3.3
4.8	**2150**	**2.4**	293.3	"	"	24100	50000	5.8	1810	2.9

P = 1.1 kW

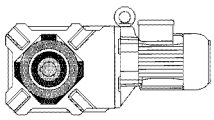


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
4.2	**2500**	**2.1**	333.6	**BK70Z-../D09SA4**	"	24100	50000	5.1	2050	2.5
3.7	**2800**	**1.85**	379.9	"	"	24100	50000	4.5	2300	2.3
3.3	**3150**	**1.65**	432.1	"	"	24100	50000	3.9	2650	1.95
2.8	**3750**	**1.4**	501.8	"	"	24100	50000	3.4	3050	1.7
2.5	**4200**	**1.25**	570.8	"	"	24100	50000	3.0	3500	1.5
2.2	**4750**	**1.1**	644.9	"	"	24100	50000	2.7	3850	1.35
2.0	**5200**	**1.0**	733.6	"	"	24100	50000	2.3	4550	1.15
1.7	**5800**	**0.98**	847.7	**BK70G20-../D09SA4**	210	24100	50000	2.0	4850	1.2
1.5	**6500**	**0.88**	964.6	"	"	24100	50000	1.8	5400	1.05
2.9	**3600**	**3.2**	499.5	**BK80Z-../D09SA4**	341	30000	75000	3.4	3050	3.8
2.6	**4000**	**2.9**	559.5	"	"	30000	75000	3.1	3350	3.4
2.4	**3600**	**3.2**	607.8	**BK80G40-../D09SA4**	352	30000	75000	2.8	3000	3.8
2.1	**4150**	**2.8**	680.9	"	"	30000	75000	2.5	3350	3.4
1.9	**4700**	**2.4**	756.3	"	"	30000	75000	2.3	3700	3.1
1.7	**5200**	**2.2**	847.2	"	"	30000	75000	2.0	4300	2.7
1.5	**6100**	**1.9**	963.0	"	"	30000	75000	1.8	4900	2.3
1.3	**7000**	**1.65**	1079	"	"	30000	75000	1.6	5500	2.1
1.1	**8500**	**1.35**	1307	"	"	30000	75000	1.3	7000	1.65
1.0	**9300**	**1.25**	1425	"	"	30000	75000	1.2	7500	1.55
0.9	**10400**	**1.1**	1583	"	"	30000	75000	1.1	8300	1.4
1.4	**6100**	**3.0**	1008	**BK90G50-../D09SA4**	625	49400	120000	1.7	4800	3.9
1.3	**6500**	**2.8**	1127	"	"	49400	120000	1.5	5400	3.4
1.1	**8300**	**2.2**	1363	"	"	49400	120000	1.3	6800	2.7
0.9	**10100**	**1.85**	1579	"	"	49400	120000	1.1	8000	2.3
0.8	**11400**	**1.6**	1803	"	"	49400	120000	0.95	9300	2.0
0.7	**13000**	**1.4**	2016	"	"	49400	120000	0.85	10400	1.8
0.55	**16900**	**1.1**	2764	"	"	49400	120000	0.65	14000	1.3

P = 1.5 kW

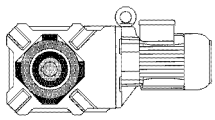
50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
320	**41**	**2.3**	4.44	**BK10-../D09LA4**	36	1890	-	380	34.5	2.8
235	**56**	**1.9**	6.02	"	"	2100	-	280	47	2.2
183	**72**	**1.6**	7.68	"	"	2400	-	220	59	1.95
149	**88**	**1.3**	9.40	"	"	2700	-	179	73	1.6
131	**98**	**1.85**	10.70	"	"	3500	-	158	81	2.2
118	**111**	**1.05**	11.93	"	"	3100	-	141	93	1.25
97	**132**	**1.5**	14.50	"	"	3900	-	116	111	1.8
83	**155**	**0.88**	16.92	"	"	3700	-	100	128	1.05
76	**169**	**1.2**	18.52	"	"	4300	-	91	141	1.4
62	**205**	**0.98**	22.65	"	"	4650	-	75	171	1.15
177	**74**	**3.1**	7.91	**BK20-../D09LA4**	46	1330	7600	215	61	3.8
142	**92**	**2.5**	9.91	"	"	1910	8300	170	77	3.0
126	**102**	**3.0**	11.14	"	"	3300	8100	151	85	3.5
120	**109**	**2.1**	11.69	"	"	2400	8800	144	91	2.5
95	**135**	**2.4**	14.75	"	"	3650	9000	114	113	2.9
81	**160**	**1.45**	17.42	"	"	3250	9000	97	134	1.7
73	**176**	**1.9**	19.39	"	"	4050	9000	87	148	2.2
58	**220**	**1.5**	24.29	"	"	4500	9000	70	184	1.8
49	**260**	**1.25**	28.66	"	"	4850	9000	59	215	1.55
38.5	**330**	**1.0**	36.69	"	"	5400	9000	46	280	1.2
33	**390**	**0.85**	42.70	"	"	5800	9000	39.5	325	1.0
118	**111**	**2.9**	11.93	**BK30-../D09LA4**	52	3650	12000	141	93	3.4
101	**129**	**2.5**	13.98	"	"	4050	12000	121	107	3.0
78	**165**	**2.7**	17.95	"	"	5300	12000	94	137	3.3
68	**191**	**1.7**	20.85	"	"	5000	12000	81	160	2.0
61	**210**	**2.1**	23.20	"	"	5900	12000	73	176	2.6
49	**260**	**1.75**	28.76	"	"	6500	12000	59	215	2.1
42	**305**	**1.5**	33.70	"	"	7000	12000	50	255	1.75
33	**385**	**1.15**	42.89	"	"	7800	12000	39.5	320	1.4

P = 1.5 kW



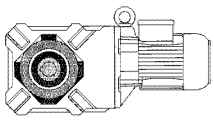
50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
28	**450**	**1.0**	50.27	**BK30-../D09LA4**	"	8300	12000	33.5	375	1.2
24	**520**	**0.87**	59.27	"	"	8900	12000	28.5	440	1.0
49	**260**	**3.0**	28.59	**BK40-../D09LA4**	72	6300	17000	59	215	3.6
40.5	**315**	**2.5**	34.61	"	"	6900	17000	49	260	3.0
34.5	**370**	**2.1**	40.88	"	"	7600	17000	41.5	310	2.5
27.5	**455**	**1.7**	51.18	"	"	8400	17000	33	380	2.1
23.5	**530**	**1.45**	59.66	"	"	9100	17000	28.5	440	1.75
20	**620**	**1.25**	70.11	"	"	9800	17000	24	510	1.55
17	**730**	**1.05**	84.36	"	"	10700	17000	20	620	1.25
13.5	**900**	**0.87**	104.0	"	"	11700	17000	16.5	730	1.05
40	**320**	**3.3**	35.21	**BK50-../D09LA4**	100	8700	23100	48	265	4.0
29.5	**430**	**2.4**	47.50	"	"	10100	25700	35.5	355	3.0
23.5	**530**	**2.0**	60.76	"	"	11400	26000	28	450	2.3
19	**650**	**1.6**	75.40	"	"	12600	26000	22.5	550	1.9
15	**820**	**1.3**	95.29	"	"	14100	26000	18	680	1.55
12.5	**970**	**1.1**	115.4	**BK50Z-../D09LA4**	105	14100	26000	15	810	1.3
9.2	**1290**	**0.81**	153.3	"	"	14100	26000	11	1080	0.97
18	**790**	**2.9**	78.13	**BK60-../D09LA4**	109	11900	34000	22	650	3.5
16.5	**860**	**2.7**	87.41	"	"	12900	34000	19.5	730	3.2
14	**1020**	**2.3**	101.2	"	"	13900	34000	17	840	2.7
12.5	**1140**	**2.0**	113.2	"	"	15000	34000	15	950	2.4
11.5	**1240**	**1.85**	122.5	"	"	15500	34000	14	1020	2.3
10.5	**1360**	**1.7**	137.0	"	"	16600	34000	12.5	1140	2.0
9.2	**1550**	**1.5**	153.7	**BK60Z-../D09LA4**	128	16600	34000	11	1300	1.75
7.7	**1860**	**1.25**	183.2	"	"	16600	34000	9.2	1550	1.5
6.9	**2050**	**1.1**	205.0	"	"	16600	34000	8.2	1740	1.3
5.9	**2400**	**0.96**	239.7	"	"	16600	34000	7.1	2000	1.15
5.3	**2700**	**0.85**	268.2	"	"	16600	34000	6.3	2250	1.0
9.1	**1570**	**3.3**	154.4	**BK70-../D09LA4**	195	21900	50000	11	1300	4.0
8.0	**1790**	**2.9**	175.7	"	"	24100	50000	9.6	1490	3.5
7.4	**1930**	**2.7**	190.4	**BK70Z-../D09LA4**	216	24100	50000	8.9	1600	3.3
6.2	**2300**	**2.3**	226.2	"	"	24100	50000	7.5	1910	2.7
5.5	**2600**	**2.0**	257.3	"	"	24100	50000	6.6	2150	2.4
4.8	**2950**	**1.75**	293.3	"	"	24100	50000	5.8	2450	2.1
4.2	**3400**	**1.55**	333.6	"	"	24100	50000	5.1	2800	1.85
3.7	**3850**	**1.35**	379.9	"	"	24100	50000	4.5	3150	1.65
3.3	**4300**	**1.2**	432.1	"	"	24100	50000	3.9	3650	1.4
2.8	**5100**	**1.0**	501.8	"	"	24100	50000	3.4	4200	1.25
2.5	**5700**	**0.91**	570.8	"	"	24100	50000	3.0	4750	1.1
2.2	**6500**	**0.8**	644.9	"	"	24100	50000	2.7	5300	0.98
3.6	**3950**	**2.9**	389.0	**BK80Z-../D09LA4**	345	30000	75000	4.4	3250	3.5
3.3	**4300**	**2.7**	435.7	"	"	30000	75000	3.9	3650	3.2
2.9	**4900**	**2.3**	499.5	"	"	30000	75000	3.4	4200	2.7
2.6	**5500**	**2.1**	559.5	"	"	30000	75000	3.1	4600	2.5
2.4	**5200**	**2.2**	607.8	**BK80G40-../D09LA4**	356	30000	75000	2.8	4350	2.6
2.1	**5900**	**1.95**	680.9	"	"	30000	75000	2.5	4850	2.4
1.9	**6700**	**1.7**	756.3	"	"	30000	75000	2.3	5400	2.1
1.7	**7500**	**1.55**	847.2	"	"	30000	75000	2.0	6200	1.85
1.5	**8600**	**1.35**	963.0	"	"	30000	75000	1.8	7000	1.65
1.3	**10000**	**1.15**	1079	"	"	30000	75000	1.6	7900	1.45
1.1	**12000**	**0.96**	1307	"	"	30000	75000	1.3	10000	1.15
1.0	**13100**	**0.88**	1425	"	"	30000	75000	1.2	10700	1.05
2.2	**6500**	**2.8**	637.7	**BK90Z-../D09LA4**	618	49400	120000	2.7	5300	3.5
2.0	**7100**	**2.6**	713.5	"	"	49400	120000	2.4	5900	3.1
1.8	**6600**	**2.8**	821.0	**BK90G50-../D09LA4**	629	49400	120000	2.1	5400	3.4
1.6	**7700**	**2.4**	882.3	"	"	49400	120000	2.0	5900	3.1
1.4	**8800**	**2.1**	1008	"	"	49400	120000	1.7	7000	2.6
1.3	**9500**	**1.95**	1127	"	"	49400	120000	1.5	8000	2.3
1.1	**11800**	**1.55**	1363	"	"	49400	120000	1.3	9800	1.9
0.9	**14400**	**1.3**	1579	"	"	49400	120000	1.1	11500	1.6
0.8	**16100**	**1.15**	1803	"	"	49400	120000	0.95	13300	1.4

P = 2.2 kW



50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
320	**60**	**1.6**	4.44	**BK10-../D09XA4**	40	1890	-	380	50	1.9
235	**82**	**1.3**	6.02	"	"	2100	-	280	69	1.5
183	**105**	**1.1**	7.68	"	"	2400	-	220	87	1.3
149	**129**	**0.89**	9.40	"	"	2700	-	179	107	1.05
131	**144**	**1.25**	10.70	"	"	3500	-	158	119	1.5
97	**194**	**1.05**	14.50	"	"	3900	-	116	163	1.25
76	**245**	**0.82**	18.52	"	"	4300	-	91	205	0.98
310	**62**	**3.2**	4.54	**BK20-../D09XA4**	50	520	6100	375	51	3.8
235	**82**	**2.7**	6.02	"	"	580	6800	280	69	3.2
177	**109**	**2.1**	7.91	"	"	1330	7600	215	89	2.6
142	**136**	**1.7**	9.91	"	"	1910	8300	170	113	2.0
126	**150**	**2.0**	11.14	"	"	3300	8100	151	125	2.4
120	**161**	**1.45**	11.69	"	"	2400	8800	144	134	1.7
95	**199**	**1.65**	14.75	"	"	3650	9000	114	165	2.0
81	**235**	**0.98**	17.42	"	"	3250	9000	97	197	1.15
73	**255**	**1.3**	19.39	"	"	4050	9000	87	215	1.55
58	**325**	**1.0**	24.29	"	"	4500	9000	70	270	1.2
49	**385**	**0.86**	28.66	"	"	4850	9000	59	320	1.05
300	**64**	**3.0**	4.73	**BK30-../D09XA4**	56	1550	8800	360	53	3.7
235	**82**	**2.6**	6.02	"	"	1690	9600	280	69	3.1
188	**102**	**2.6**	7.45	"	"	2200	10400	230	84	3.2
146	**132**	**2.4**	9.63	"	"	3150	11500	175	110	2.9
123	**153**	**2.7**	11.39	"	"	4150	11000	148	127	3.3
118	**163**	**1.95**	11.93	"	"	3650	12000	141	137	2.3
101	**189**	**1.7**	13.98	"	"	4050	12000	121	158	2.0
97	**194**	**2.3**	14.50	"	"	4900	12000	116	163	2.8
78	**240**	**1.9**	17.95	"	"	5300	12000	94	200	2.3
68	**280**	**1.15**	20.85	"	"	5000	12000	81	235	1.35
61	**305**	**1.5**	23.20	"	"	5900	12000	73	255	1.75
49	**385**	**1.15**	28.76	"	"	6500	12000	59	320	1.4
42	**450**	**1.0**	33.70	"	"	7000	12000	50	375	1.2
33	**560**	**0.8**	42.89	"	"	7800	12000	39.5	470	0.96
119	**162**	**3.0**	11.86	**BK40-../D09XA4**	76	1770	12200	142	136	3.6
78	**240**	**3.3**	18.05	"	"	4900	15300	94	200	3.9
63	**300**	**2.6**	22.44	"	"	5500	16500	75	250	3.1
49	**385**	**2.0**	28.59	"	"	6300	17000	59	320	2.4
40.5	**465**	**1.7**	34.61	"	"	6900	17000	49	385	2.0
34.5	**540**	**1.45**	40.88	"	"	7600	17000	41.5	455	1.7
27.5	**670**	**1.15**	51.18	"	"	8400	17000	33	560	1.4
23.5	**780**	**1.0**	59.66	"	"	9100	17000	28.5	640	1.2
20	**910**	**0.86**	70.11	"	"	9800	17000	24	760	1.05
79	**240**	**3.0**	17.92	**BK50-../D09XA4**	104	4600	16800	94	200	3.6
53	**355**	**3.0**	26.51	"	"	7800	21200	64	295	3.6
40	**470**	**2.2**	35.21	"	"	8700	23100	48	390	2.7
29.5	**630**	**1.65**	47.50	"	"	10100	25700	35.5	520	2.0
23.5	**780**	**1.35**	60.76	"	"	11400	26000	28	660	1.6
19	**960**	**1.1**	75.40	"	"	12600	26000	22.5	810	1.3
15	**1200**	**0.88**	95.29	"	"	14100	26000	18	1000	1.05
28	**750**	**3.1**	50.40	**BK60-../D09XA4**	113	9100	29800	33.5	620	3.7
24	**870**	**2.6**	58.95	"	"	9900	31500	28.5	730	3.2
21.5	**970**	**2.4**	65.95	"	"	10900	33000	25.5	820	2.8
18	**1160**	**2.0**	78.13	"	"	11900	34000	22	950	2.4
16.5	**1270**	**1.8**	87.41	"	"	12900	34000	19.5	1070	2.1
14	**1500**	**1.55**	101.2	"	"	13900	34000	17	1230	1.85
12.5	**1680**	**1.35**	113.2	"	"	15000	34000	15	1400	1.65
11.5	**1820**	**1.25**	122.5	"	"	15500	34000	14	1500	1.55
10.5	**2000**	**1.15**	137.0	"	"	16600	34000	12.5	1680	1.35
9.2	**2250**	**1.0**	153.7	**BK60Z-../D09XA4**	132	16600	34000	11	1910	1.2
7.7	**2700**	**0.85**	183.2	"	"	16600	34000	9.2	2250	1.0
12	**1750**	**3.0**	120.2	**BK70-../D09XA4**	199	18600	50000	14	1500	3.5
10.5	**2000**	**2.6**	136.7	"	"	20700	50000	12.5	1680	3.1

P = 2.2 kW

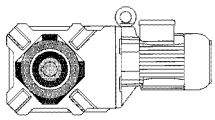


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
9.1	**2300**	**2.3**	154.4	**BK70-../D09XA4**	"	21900	50000	11	1910	2.7
8.0	**2600**	**2.0**	175.7	"	"	24100	50000	9.6	2150	2.4
7.4	**2800**	**1.85**	190.4	**BK70Z-../D09XA4**	220	24100	50000	8.9	2350	2.2
6.2	**3350**	**1.55**	226.2	"	"	24100	50000	7.5	2800	1.85
5.5	**3800**	**1.35**	257.3	"	"	24100	50000	6.6	3150	1.65
4.8	**4350**	**1.2**	293.3	"	"	24100	50000	5.8	3600	1.45
4.2	**5000**	**1.05**	333.6	"	"	24100	50000	5.1	4100	1.25
3.7	**5600**	**0.93**	379.9	"	"	24100	50000	4.5	4650	1.1
3.3	**6300**	**0.83**	432.1	"	"	24100	50000	3.9	5300	0.98
5.6	**3750**	**3.1**	253.3	**BK80Z-../D09XA4**	349	30000	75000	6.7	3100	3.7
4.7	**4450**	**2.6**	300.6	"	"	30000	75000	5.6	3750	3.1
4.2	**5000**	**2.3**	336.7	"	"	30000	75000	5.0	4200	2.7
3.6	**5800**	**2.0**	389.0	"	"	30000	75000	4.4	4750	2.4
3.3	**6300**	**1.85**	435.7	"	"	30000	75000	3.9	5300	2.2
2.9	**7200**	**1.6**	499.5	"	"	30000	75000	3.4	6100	1.9
2.6	**8000**	**1.45**	559.5	"	"	30000	75000	3.1	6700	1.7
2.4	**8000**	**1.45**	607.8	**BK80G40-../D09XA4**	360	30000	75000	2.8	6700	1.7
2.1	**9100**	**1.25**	680.9	"	"	30000	75000	2.5	7500	1.55
1.9	**10200**	**1.15**	756.3	"	"	30000	75000	2.3	8300	1.4
1.7	**11400**	**1.0**	847.2	"	"	30000	75000	2.0	9500	1.2
1.5	**13100**	**0.88**	963.0	"	"	30000	75000	1.8	10700	1.05
3.6	**5800**	**3.2**	389.1	**BK90Z-../D09XA4**	622	49400	120000	4.4	4750	3.9
3.3	**6300**	**2.9**	435.3	"	"	49400	120000	3.9	5300	3.5
2.9	**7200**	**2.6**	499.2	"	"	49400	120000	3.4	6100	3.0
2.6	**8000**	**2.3**	558.5	"	"	49400	120000	3.1	6700	2.8
2.2	**9500**	**1.95**	637.7	"	"	49400	120000	2.7	7700	2.4
2.0	**10500**	**1.75**	713.5	"	"	49400	120000	2.4	8700	2.1
1.8	**10300**	**1.8**	821.0	**BK90G50-../D09XA4**	633	49400	120000	2.1	8600	2.2
1.6	**11900**	**1.55**	882.3	"	"	49400	120000	2.0	9300	2.0
1.4	**13600**	**1.35**	1008	"	"	49400	120000	1.7	11000	1.7
1.3	**14600**	**1.25**	1127	"	"	49400	120000	1.5	12400	1.5
1.1	**17800**	**1.05**	1363	"	"	49400	120000	1.3	14900	1.25

P = 3 kW

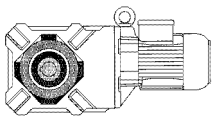
50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
305	**86**	**2.3**	4.73	**BK30-../D11SA4**	59	1550	8800	365	72	2.7
240	**109**	**1.95**	6.02	"	"	1690	9600	285	92	2.3
191	**138**	**1.95**	7.45	"	"	2200	10400	230	114	2.4
148	**178**	**1.8**	9.63	"	"	3150	11500	178	148	2.2
125	**205**	**2.0**	11.39	"	"	4150	11000	151	170	2.4
120	**215**	**1.5**	11.93	"	"	3650	12000	144	183	1.75
102	**255**	**1.25**	13.98	"	"	4050	12000	123	210	1.5
98	**260**	**1.75**	14.50	"	"	4900	12000	118	215	2.1
80	**320**	**1.4**	17.95	"	"	5300	12000	96	265	1.7
62	**415**	**1.1**	23.20	"	"	5900	12000	74	345	1.3
49.5	**520**	**0.87**	28.76	"	"	6500	12000	60	425	1.05
153	**172**	**2.9**	9.31	**BK40-../D11SA4**	84	1040	11200	184	143	3.4
120	**215**	**2.3**	11.86	"	"	1770	12200	145	181	2.7
98	**260**	**3.0**	14.50	"	"	4500	14300	118	215	3.6
79	**325**	**2.4**	18.05	"	"	4900	15300	95	270	2.9
64	**400**	**1.95**	22.44	"	"	5500	16500	77	330	2.4
50	**510**	**1.55**	28.59	"	"	6300	17000	60	425	1.85
41.5	**620**	**1.25**	34.61	"	"	6900	17000	49.5	520	1.5
35	**730**	**1.05**	40.88	"	"	7600	17000	42	610	1.3
80	**325**	**2.2**	17.92	**BK50-../D11SA4**	114	4600	16800	96	270	2.7
74	**345**	**3.0**	19.33	"	"	6900	19200	89	285	3.7
54	**475**	**2.2**	26.51	"	"	7800	21200	65	395	2.7
40.5	**630**	**1.65**	35.21	"	"	8700	23100	49	520	2.0

P = 3 kW



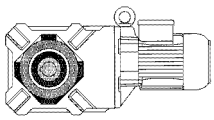
50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
30	**840**	**1.25**	47.50	**BK50-../D11SA4**	"	10100	25700	36	700	1.5
23.5	**1070**	**0.98**	60.76	"	"	11400	26000	28.5	880	1.2
19	**1310**	**0.8**	75.40	"	"	12600	26000	23	1080	0.97
38	**750**	**3.1**	37.80	**BK60-../D11SA4**	124	7300	26500	45.5	620	3.7
32	**890**	**2.6**	45.05	"	"	8200	28300	38	750	3.1
28.5	**1000**	**2.3**	50.40	"	"	9100	29800	34	840	2.7
24.5	**1160**	**2.0**	58.95	"	"	9900	31500	29.5	970	2.4
22	**1300**	**1.75**	65.95	"	"	10900	33000	26	1100	2.1
18.5	**1540**	**1.5**	78.13	"	"	11900	34000	22	1300	1.75
16.5	**1730**	**1.35**	87.41	"	"	12900	34000	20	1430	1.6
14.5	**1970**	**1.15**	101.2	"	"	13900	34000	17	1680	1.35
13	**2200**	**1.05**	113.2	"	"	15000	34000	15.5	1840	1.25
12	**2350**	**0.98**	122.5	"	"	15500	34000	14	2000	1.15
10.5	**2700**	**0.85**	137.0	"	"	16600	34000	12.5	2250	1.0
18	**1590**	**3.3**	79.89	**BK70-../D11SA4**	203	14300	47600	21.5	1330	3.9
16	**1790**	**2.9**	90.96	"	"	15300	49900	19	1500	3.5
14	**2000**	**2.6**	103.5	"	"	17200	50000	17	1680	3.1
12	**2350**	**2.2**	120.2	"	"	18600	50000	14.5	1970	2.6
10.5	**2700**	**1.95**	136.7	"	"	20700	50000	13	2200	2.4
9.2	**3100**	**1.7**	154.4	"	"	21900	50000	11.5	2450	2.1
8.1	**3500**	**1.5**	175.7	"	"	24100	50000	9.8	2900	1.8
7.5	**3800**	**1.35**	190.4	**BK70Z-../D11SA4**	230	24100	50000	9.0	3150	1.65
6.3	**4500**	**1.15**	226.2	"	"	24100	50000	7.6	3750	1.4
5.6	**5100**	**1.0**	257.3	"	"	24100	50000	6.7	4250	1.2
4.9	**5800**	**0.9**	293.3	"	"	24100	50000	5.9	4850	1.05
8.3	**3450**	**3.0**	171.5	**BK80-../D11SA4**	318	30000	75000	10	2850	3.7
8.0	**3550**	**3.2**	177.6	**BK80Z-../D11SA4**	360	30000	75000	9.7	2950	3.9
7.2	**3950**	**2.9**	198.9	"	"	30000	75000	8.6	3300	3.5
6.3	**4500**	**2.6**	226.1	"	"	30000	75000	7.6	3750	3.1
5.7	**5000**	**2.3**	253.3	"	"	30000	75000	6.8	4200	2.7
4.8	**5900**	**1.95**	300.6	"	"	30000	75000	5.7	5000	2.3
4.3	**6600**	**1.75**	336.7	"	"	30000	75000	5.1	5600	2.1
3.7	**7700**	**1.5**	389.0	"	"	30000	75000	4.4	6500	1.75
3.3	**8600**	**1.35**	435.7	"	"	30000	75000	4.0	7100	1.6
2.9	**9800**	**1.15**	499.5	"	"	30000	75000	3.5	8100	1.4
2.6	**11000**	**1.05**	559.5	"	"	30000	75000	3.1	9200	1.25
2.4	**11100**	**1.05**	607.8	**BK80G40-../D11SA4**	368	30000	75000	2.9	9100	1.25
2.1	**12800**	**0.9**	680.9	"	"	30000	75000	2.6	10100	1.15
1.9	**14200**	**0.81**	756.3	"	"	30000	75000	2.3	11600	0.99
4.9	**5800**	**3.2**	295.6	**BK90Z-../D11SA4**	626	49400	120000	5.8	4900	3.8
4.3	**6600**	**2.8**	330.7	"	"	49400	120000	5.2	5500	3.4
3.7	**7700**	**2.4**	389.1	"	"	49400	120000	4.4	6500	2.8
3.3	**8600**	**2.2**	435.3	"	"	49400	120000	4.0	7100	2.6
2.9	**9800**	**1.9**	499.2	"	"	49400	120000	3.5	8100	2.3
2.6	**11000**	**1.7**	558.5	"	"	49400	120000	3.1	9200	2.0
2.3	**12400**	**1.5**	637.7	"	"	49400	120000	2.7	10600	1.75
2.0	**14300**	**1.3**	713.5	"	"	49400	120000	2.4	11900	1.55
1.8	**14500**	**1.3**	821.0	**BK90G50-../D11SA4**	642	49400	120000	2.1	12300	1.5
1.7	**15600**	**1.2**	882.3	"	"	49400	120000	2.0	13100	1.4
1.5	**17700**	**1.05**	1008	"	"	49400	120000	1.7	15500	1.2
1.3	**20500**	**0.9**	1127	"	"	49400	120000	1.6	16300	1.15

P = 4 kW



50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
305	**115**	**1.7**	4.73	**BK30-../D11MA4**	65	1550	8800	365	96	2.0
240	**146**	**1.45**	6.02	"	"	1690	9600	285	123	1.7
191	**184**	**1.45**	7.45	"	"	2200	10400	230	152	1.75
148	**235**	**1.35**	9.63	"	"	3150	11500	178	197	1.6
125	**275**	**1.5**	11.39	"	"	4150	11000	151	225	1.85
120	**290**	**1.1**	11.93	"	"	3650	12000	144	240	1.35
102	**340**	**0.94**	13.98	"	"	4050	12000	123	280	1.15
98	**350**	**1.3**	14.50	"	"	4900	12000	118	290	1.55
80	**425**	**1.05**	17.95	"	"	5300	12000	96	355	1.25
62	**550**	**0.82**	23.20	"	"	5900	12000	74	460	0.98
240	**146**	**3.2**	6.02	**BK40-../D11MA4**	90	470	9800	285	123	3.9
190	**184**	**2.7**	7.49	"	"	750	10500	230	152	3.2
153	**225**	**2.2**	9.31	"	"	1040	11200	184	191	2.6
128	**265**	**2.7**	11.17	"	"	4100	13100	154	220	3.3
120	**290**	**1.7**	11.86	"	"	1770	12200	145	240	2.1
98	**350**	**2.2**	14.50	"	"	4500	14300	118	290	2.7
79	**435**	**1.8**	18.05	"	"	4900	15300	95	360	2.2
64	**530**	**1.45**	22.44	"	"	5500	16500	77	445	1.75
50	**680**	**1.15**	28.59	"	"	6300	17000	60	570	1.35
41.5	**820**	**0.95**	34.61	"	"	6900	17000	49.5	690	1.15
35	**980**	**0.8**	40.88	"	"	7600	17000	42	810	0.96
142	**245**	**3.3**	10.00	**BK50-../D11MA4**	120	1220	13200	171	205	4.0
102	**335**	**3.1**	13.95	"	"	6100	17400	123	275	3.8
80	**430**	**1.7**	17.92	"	"	4600	16800	96	360	2.0
74	**460**	**2.3**	19.33	"	"	6900	19200	89	385	2.7
54	**630**	**1.65**	26.51	"	"	7800	21200	65	520	2.0
40.5	**840**	**1.25**	35.21	"	"	8700	23100	49	700	1.5
30	**1130**	**0.93**	47.50	"	"	10100	25700	36	940	1.1
52	**730**	**3.2**	27.36	**BK60-../D11MA4**	130	5600	23200	63	600	3.8
42.5	**890**	**2.6**	33.78	"	"	6500	25200	51	740	3.1
38	**1000**	**2.3**	37.80	"	"	7300	26500	45.5	830	2.8
32	**1190**	**1.95**	45.05	"	"	8200	28300	38	1000	2.3
28.5	**1340**	**1.7**	50.40	"	"	9100	29800	34	1120	2.1
24.5	**1550**	**1.5**	58.95	"	"	9900	31500	29.5	1290	1.8
22	**1730**	**1.35**	65.95	"	"	10900	33000	26	1460	1.6
18.5	**2050**	**1.1**	78.13	"	"	11900	34000	22	1730	1.35
16.5	**2300**	**1.0**	87.41	"	"	12900	34000	20	1910	1.2
14.5	**2600**	**0.88**	101.2	"	"	13900	34000	17	2200	1.05
23.5	**1620**	**3.2**	61.60	**BK70-../D11MA4**	209	11500	42800	28	1360	3.8
20.5	**1860**	**2.8**	70.23	"	"	12500	44800	24.5	1550	3.4
18	**2100**	**2.5**	79.89	"	"	14300	47600	21.5	1770	2.9
16	**2350**	**2.2**	90.96	"	"	15300	49900	19	2000	2.6
14	**2700**	**1.95**	103.5	"	"	17200	50000	17	2200	2.4
12	**3150**	**1.65**	120.2	"	"	18600	50000	14.5	2600	2.0
10.5	**3600**	**1.45**	136.7	"	"	20700	50000	13	2900	1.8
9.2	**4150**	**1.25**	154.4	"	"	21900	50000	11.5	3300	1.6
8.1	**4700**	**1.1**	175.7	"	"	24100	50000	9.8	3850	1.35
7.5	**5000**	**1.05**	190.4	**BK70Z-../D11MA4**	236	24100	50000	9.0	4200	1.25
6.3	**6000**	**0.87**	226.2	"	"	24100	50000	7.6	5000	1.05
11	**3450**	**3.0**	131.6	**BK80-../D11MA4**	324	24900	75000	13	2900	3.6
9.3	**4100**	**2.6**	153.1	"	"	27200	75000	11.5	3300	3.2
8.3	**4600**	**2.3**	171.5	"	"	30000	75000	10	3800	2.8
8.0	**4750**	**2.4**	177.6	**BK80Z-../D11MA4**	366	30000	75000	9.7	3900	2.9
7.2	**5300**	**2.2**	198.9	"	"	30000	75000	8.6	4400	2.6
6.3	**6000**	**1.9**	226.1	"	"	30000	75000	7.6	5000	2.3
5.7	**6700**	**1.7**	253.3	"	"	30000	75000	6.8	5600	2.1
4.8	**7900**	**1.45**	300.6	"	"	30000	75000	5.7	6700	1.7
4.3	**8800**	**1.3**	336.7	"	"	30000	75000	5.1	7400	1.55
3.7	**10300**	**1.1**	389.0	"	"	30000	75000	4.4	8600	1.35
3.3	**11500**	**1.0**	435.7	"	"	30000	75000	4.0	9500	1.2
2.9	**13100**	**0.88**	499.5	"	"	30000	75000	3.5	10900	1.05

P = 4 kW

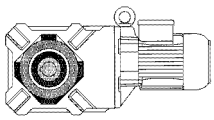


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
6.1	**6200**	**3.0**	234.6	**BK90Z-../D11MA4**	632	49400	120000	7.3	5200	3.6
5.5	**6900**	**2.7**	262.5	"	"	49400	120000	6.6	5700	3.2
4.9	**7700**	**2.4**	295.6	"	"	49400	120000	5.8	6500	2.8
4.3	**8800**	**2.1**	330.7	"	"	49400	120000	5.2	7300	2.5
3.7	**10300**	**1.8**	389.1	"	"	49400	120000	4.4	8600	2.2
3.3	**11500**	**1.6**	435.3	"	"	49400	120000	4.0	9500	1.95
2.9	**13100**	**1.4**	499.2	"	"	49400	120000	3.5	10900	1.7
2.6	**14600**	**1.25**	558.5	"	"	49400	120000	3.1	12300	1.5
2.3	**16600**	**1.1**	637.7	"	"	49400	120000	2.7	14100	1.3
2.0	**19100**	**0.97**	713.5	"	"	49400	120000	2.4	15900	1.15
1.8	**19800**	**0.93**	821.0	**BK90G50-../D11MA4**	648	49400	120000	2.1	16800	1.1
1.7	**21200**	**0.87**	882.3	"	"	49400	120000	2.0	17900	1.05

P = 5.5 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
305	**158**	**1.25**	4.73	**BK30-../D11LA4**	76	1550	8800	365	132	1.45
240	**200**	**1.05**	6.02	"	"	1690	9600	285	169	1.25
191	**250**	**1.05**	7.45	"	"	2200	10400	230	210	1.3
148	**325**	**0.98**	9.63	"	"	3150	11500	178	270	1.2
125	**375**	**1.1**	11.39	"	"	4150	11000	151	310	1.35
120	**400**	**0.8**	11.93	"	"	3650	12000	144	335	0.96
98	**480**	**0.94**	14.50	"	"	4900	12000	118	400	1.15
310	**155**	**2.8**	4.63	**BK40-../D11LA4**	102	430	8900	370	130	3.3
240	**200**	**2.4**	6.02	"	"	470	9800	285	169	2.8
190	**250**	**1.95**	7.49	"	"	750	10500	230	210	2.3
153	**315**	**1.55**	9.31	"	"	1040	11200	184	260	1.9
128	**365**	**1.95**	11.17	"	"	4100	13100	154	305	2.3
120	**400**	**1.25**	11.86	"	"	1770	12200	145	330	1.5
98	**480**	**1.65**	14.50	"	"	4500	14300	118	400	1.95
79	**590**	**1.3**	18.05	"	"	4900	15300	95	495	1.6
64	**730**	**1.05**	22.44	"	"	5500	16500	77	610	1.3
50	**940**	**0.83**	28.59	"	"	6300	17000	60	780	1.0
195	**245**	**3.3**	7.29	**BK50-../D11LA4**	132	620	11900	235	205	4.0
146	**320**	**2.9**	9.73	"	"	5400	15400	176	265	3.5
142	**340**	**2.4**	10.00	"	"	1220	13200	171	280	2.9
102	**460**	**2.3**	13.95	"	"	6100	17400	123	380	2.8
80	**590**	**1.25**	17.92	"	"	4600	16800	96	495	1.45
74	**630**	**1.65**	19.33	"	"	6900	19200	89	530	2.0
54	**870**	**1.2**	26.51	"	"	7800	21200	65	720	1.45
40.5	**1160**	**0.91**	35.21	"	"	8700	23100	49	960	1.1
78	**670**	**3.3**	18.36	**BK60-../D11LA4**	142	4000	19900	94	550	4.0
70	**750**	**3.0**	20.54	"	"	4400	20600	84	620	3.6
59	**890**	**2.6**	24.45	"	"	4850	22000	70	750	3.1
52	**1010**	**2.3**	27.36	"	"	5600	23200	63	830	2.8
42.5	**1230**	**1.85**	33.78	"	"	6500	25200	51	1020	2.3
38	**1380**	**1.65**	37.80	"	"	7300	26500	45.5	1150	2.0
32	**1640**	**1.4**	45.05	"	"	8200	28300	38	1380	1.65
28.5	**1840**	**1.25**	50.40	"	"	9100	29800	34	1540	1.5
24.5	**2100**	**1.1**	58.95	"	"	9900	31500	29.5	1780	1.3
22	**2350**	**0.98**	65.95	"	"	10900	33000	26	2000	1.15
18.5	**2800**	**0.82**	78.13	"	"	11900	34000	22	2350	0.98
35.5	**1470**	**3.3**	40.08	**BK70-../D11LA4**	221	8300	36300	43	1220	4.0
31.5	**1660**	**3.1**	45.59	"	"	9000	37900	38	1380	3.7
26.5	**1980**	**2.6**	54.15	"	"	9900	40200	32	1640	3.2
23.5	**2200**	**2.4**	61.60	"	"	11500	42800	28	1870	2.8
20.5	**2550**	**2.0**	70.23	"	"	12500	44800	24.5	2100	2.5
18	**2900**	**1.8**	79.89	"	"	14300	47600	21.5	2400	2.2

P = 5.5 kW

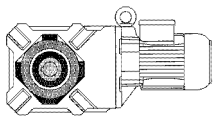


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
16	**3250**	**1.6**	90.96	**BK70-../D11LA4**	"	15300	49900	19	2750	1.9
14	**3750**	**1.4**	103.5	"	"	17200	50000	17	3050	1.7
12	**4350**	**1.2**	120.2	"	"	18600	50000	14.5	3600	1.45
10.5	**5000**	**1.05**	136.7	"	"	20700	50000	13	4000	1.3
9.2	**5700**	**0.91**	154.4	"	"	21900	50000	11.5	4550	1.15
8.1	**6400**	**0.81**	175.7	"	"	24100	50000	9.8	5300	0.98
16	**3250**	**3.2**	91.53	**BK80-../D11LA4**	336	18300	74200	19	2750	3.8
14	**3750**	**2.8**	102.5	"	"	20500	75000	17	3050	3.4
12.5	**4200**	**2.5**	117.5	"	"	22300	75000	15	3500	3.0
11	**4750**	**2.2**	131.6	"	"	24900	75000	13	4000	2.6
9.3	**5600**	**1.9**	153.1	"	"	27200	75000	11.5	4550	2.3
8.3	**6300**	**1.65**	171.5	"	"	30000	75000	10	5200	2.0
8.0	**6500**	**1.75**	177.6	**BK80Z-../D11LA4**	378	30000	75000	9.7	5400	2.1
7.2	**7200**	**1.6**	198.9	"	"	30000	75000	8.6	6100	1.9
6.3	**8300**	**1.4**	226.1	"	"	30000	75000	7.6	6900	1.65
5.7	**9200**	**1.25**	253.3	"	"	30000	75000	6.8	7700	1.5
4.8	**10900**	**1.05**	300.6	"	"	30000	75000	5.7	9200	1.25
4.3	**12200**	**0.94**	336.7	"	"	30000	75000	5.1	10200	1.15
3.7	**14100**	**0.82**	389.0	"	"	30000	75000	4.4	11900	0.97
8.2	**6400**	**2.9**	174.7	**BK90Z-../D11LA4**	643	49400	120000	9.8	5300	3.5
7.3	**7100**	**2.6**	195.4	"	"	49400	120000	8.8	5900	3.1
6.1	**8600**	**2.2**	234.6	"	"	49400	120000	7.3	7100	2.6
5.5	**9500**	**1.95**	262.5	"	"	49400	120000	6.6	7900	2.3
4.9	**10700**	**1.75**	295.6	"	"	49400	120000	5.8	9000	2.1
4.3	**12200**	**1.5**	330.7	"	"	49400	120000	5.2	10100	1.85
3.7	**14100**	**1.3**	389.1	"	"	49400	120000	4.4	11900	1.55
3.3	**15900**	**1.15**	435.3	"	"	49400	120000	4.0	13100	1.4
2.9	**18100**	**1.0**	499.2	"	"	49400	120000	3.5	15000	1.25
2.6	**20200**	**0.92**	558.5	"	"	49400	120000	3.1	16900	1.1
2.3	**22800**	**0.81**	637.7	"	"	49400	120000	2.7	19400	0.95

P = 7.5 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
390	**168**	**4.3**	3.67	**BK50-../D13MA4**	143	115	9400	470	140	5.1
270	**240**	**3.4**	5.26	"	"	130	10700	330	199	4.1
195	**335**	**2.4**	7.29	"	"	620	11900	235	280	2.9
146	**440**	**2.1**	9.73	"	"	5400	15400	176	365	2.6
142	**460**	**1.75**	10.00	"	"	1220	13200	171	385	2.1
102	**630**	**1.65**	13.95	"	"	6100	17400	123	520	2.0
80	**810**	**0.9**	17.92	"	"	4600	16800	96	670	1.1
74	**870**	**1.2**	19.33	"	"	6900	19200	89	720	1.45
54	**1190**	**0.88**	26.51	"	"	7800	21200	65	990	1.05
132	**540**	**3.1**	10.82	**BK60-../D13MA4**	155	3200	17000	159	450	3.7
103	**690**	**2.9**	13.85	"	"	3850	18000	124	570	3.5
99	**720**	**2.7**	14.41	"	"	3650	18600	119	600	3.2
78	**910**	**2.4**	18.36	"	"	4000	19900	94	760	2.9
70	**1020**	**2.2**	20.54	"	"	4400	20600	84	850	2.6
59	**1210**	**1.9**	24.45	"	"	4850	22000	70	1020	2.3
52	**1370**	**1.7**	27.36	"	"	5600	23200	63	1130	2.0
42.5	**1680**	**1.35**	33.78	"	"	6500	25200	51	1400	1.65
38	**1880**	**1.2**	37.80	"	"	7300	26500	45.5	1570	1.45
32	**2200**	**1.05**	45.05	"	"	8200	28300	38	1880	1.2
28.5	**2500**	**0.92**	50.40	"	"	9100	29800	34	2100	1.1
46	**1550**	**2.9**	30.90	**BK70-../D13MA4**	234	7500	33600	56	1270	3.6
40.5	**1760**	**2.7**	35.15	"	"	8000	35000	49	1460	3.2
35.5	**2000**	**2.4**	40.08	"	"	8300	36300	43	1660	2.9
31.5	**2250**	**2.3**	45.59	"	"	9000	37900	38	1880	2.7
26.5	**2700**	**1.95**	54.15	"	"	9900	40200	32	2200	2.4

P = 7.5 kW

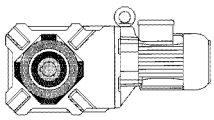


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
23.5	**3000**	**1.75**	61.60	**BK70-../D13MA4**	"	11500	42800	28	2550	2.0
20.5	**3450**	**1.5**	70.23	"	"	12500	44800	24.5	2900	1.8
18	**3950**	**1.3**	79.89	"	"	14300	47600	21.5	3300	1.6
16	**4450**	**1.15**	90.96	"	"	15300	49900	19	3750	1.4
14	**5100**	**1.0**	103.5	"	"	17200	50000	17	4200	1.25
12	**5900**	**0.88**	120.2	"	"	18600	50000	14.5	4900	1.05
27	**2650**	**3.3**	53.21	**BK80-../D13MA4**	348	14800	63100	32.5	2200	4.0
24	**2950**	**3.1**	59.60	"	"	15700	65500	29	2450	3.8
20.5	**3450**	**2.8**	70.72	"	"	16600	68700	24.5	2900	3.3
18	**3950**	**2.5**	79.22	"	"	17600	71300	22	3250	3.1
16	**4450**	**2.3**	91.53	"	"	18300	74200	19	3750	2.8
14	**5100**	**2.1**	102.5	"	"	20500	75000	17	4200	2.5
12.5	**5700**	**1.85**	117.5	"	"	22300	75000	15	4750	2.2
11	**6500**	**1.6**	131.6	"	"	24900	75000	13	5500	1.9
9.3	**7700**	**1.35**	153.1	"	"	27200	75000	11.5	6200	1.7
8.3	**8600**	**1.2**	171.5	"	"	30000	75000	10	7100	1.5
8.0	**8900**	**1.3**	177.6	**BK80Z-../D13MA4**	391	30000	75000	9.7	7300	1.6
7.2	**9900**	**1.15**	198.9	"	"	30000	75000	8.6	8300	1.4
6.3	**11300**	**1.0**	226.1	"	"	30000	75000	7.6	9400	1.2
5.7	**12500**	**0.92**	253.3	"	"	30000	75000	6.8	10500	1.1
14	**5100**	**3.3**	102.0	**BK90-../D13MA4**	600	36600	107000	17	4200	4.0
12.5	**5700**	**2.9**	117.0	"	"	39200	113000	15	4750	3.5
11	**6500**	**2.6**	130.9	"	"	42700	119400	13.5	5300	3.2
9.5	**7500**	**2.2**	149.5	"	"	45600	120000	11.5	6200	2.7
8.5	**8400**	**2.0**	167.2	"	"	49400	120000	10.5	6800	2.5
8.2	**8700**	**2.1**	174.7	**BK90Z-../D13MA4**	656	49400	120000	9.8	7300	2.5
7.3	**9800**	**1.9**	195.4	"	"	49400	120000	8.8	8100	2.3
6.1	**11700**	**1.6**	234.6	"	"	49400	120000	7.3	9800	1.9
5.5	**13000**	**1.4**	262.5	"	"	49400	120000	6.6	10800	1.7
4.9	**14600**	**1.25**	295.6	"	"	49400	120000	5.8	12300	1.5
4.3	**16600**	**1.1**	330.7	"	"	49400	120000	5.2	13700	1.35
3.7	**19300**	**0.96**	389.1	"	"	49400	120000	4.4	16200	1.15
3.3	**21700**	**0.85**	435.3	"	"	49400	120000	4.0	17900	1.05

P = 9.5 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
390	**210**	**3.4**	3.67	**BK50-../D13LA4**	146	115	9400	470	177	4.1
270	**305**	**2.7**	5.26	"	"	130	10700	330	250	3.2
195	**425**	**1.9**	7.29	"	"	620	11900	235	355	2.3
146	**550**	**1.7**	9.73	"	"	5400	15400	176	460	2.0
142	**580**	**1.4**	10.00	"	"	1220	13200	171	485	1.65
102	**800**	**1.3**	13.95	"	"	6100	17400	123	660	1.6
74	**1100**	**0.95**	19.33	"	"	6900	19200	89	910	1.15
195	**465**	**3.1**	7.29	**BK60-../D13LA4**	158	2800	14900	235	385	3.8
132	**680**	**2.5**	10.82	"	"	3200	17000	159	570	2.9
103	**880**	**2.2**	13.85	"	"	3850	18000	124	730	2.7
99	**910**	**2.1**	14.41	"	"	3650	18600	119	760	2.5
78	**1160**	**1.9**	18.36	"	"	4000	19900	94	960	2.3
70	**1290**	**1.75**	20.54	"	"	4400	20600	84	1080	2.1
59	**1530**	**1.5**	24.45	"	"	4850	22000	70	1290	1.8
52	**1740**	**1.3**	27.36	"	"	5600	23200	63	1440	1.6
42.5	**2100**	**1.1**	33.78	"	"	6500	25200	51	1770	1.3
38	**2350**	**0.98**	37.80	"	"	7300	26500	45.5	1990	1.15
32	**2800**	**0.82**	45.05	"	"	8200	28300	38	2350	0.98
65	**1390**	**2.9**	21.88	**BK70-../D13LA4**	237	6500	30200	79	1140	3.6
58	**1560**	**2.7**	24.89	"	"	7000	31500	69	1310	3.3
46	**1970**	**2.3**	30.90	"	"	7500	33600	56	1620	2.8
40.5	**2200**	**2.2**	35.15	"	"	8000	35000	49	1850	2.6

P = 9.5 kW

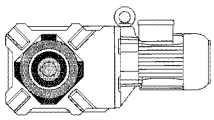


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
35.5	**2550**	**1.9**	40.08	**BK70-../D13LA4**	"	8300	36300	43	2100	2.3
31.5	**2850**	**1.8**	45.59	"	"	9000	37900	38	2350	2.2
26.5	**3400**	**1.55**	54.15	"	"	9900	40200	32	2800	1.85
23.5	**3850**	**1.35**	61.60	"	"	11500	42800	28	3200	1.65
20.5	**4400**	**1.2**	70.23	"	"	12500	44800	24.5	3700	1.4
18	**5000**	**1.05**	79.89	"	"	14300	47600	21.5	4200	1.25
16	**5600**	**0.93**	90.96	"	"	15300	49900	19	4750	1.1
14	**6400**	**0.81**	103.5	"	"	17200	50000	17	5300	0.98
34	**2650**	**3.1**	41.78	**BK80-../D13LA4**	351	13500	58700	41	2200	3.7
30.5	**2950**	**2.9**	46.80	"	"	14300	60900	37	2450	3.5
27	**3350**	**2.6**	53.21	"	"	14800	63100	32.5	2750	3.2
24	**3750**	**2.5**	59.60	"	"	15700	65500	29	3100	3.0
20.5	**4400**	**2.2**	70.72	"	"	16600	68700	24.5	3700	2.6
18	**5000**	**2.0**	79.22	"	"	17600	71300	22	4100	2.5
16	**5600**	**1.85**	91.53	"	"	18300	74200	19	4750	2.2
14	**6400**	**1.65**	102.5	"	"	20500	75000	17	5300	2.0
12.5	**7200**	**1.45**	117.5	"	"	22300	75000	15	6000	1.75
11	**8200**	**1.3**	131.6	"	"	24900	75000	13	6900	1.5
9.3	**9700**	**1.1**	153.1	"	"	27200	75000	11.5	7800	1.35
8.3	**10900**	**0.96**	171.5	"	"	30000	75000	10	9000	1.15
8.0	**11300**	**1.0**	177.6	**BK80Z-../D13LA4**	394	30000	75000	9.7	9300	1.25
7.2	**12600**	**0.91**	198.9	"	"	30000	75000	8.6	10500	1.1
6.3	**14400**	**0.8**	226.1	"	"	30000	75000	7.6	11900	0.97
16	**5600**	**3.0**	91.19	**BK90-../D13LA4**	603	33300	101000	19	4750	3.5
14	**6400**	**2.6**	102.0	"	"	36600	107000	17	5300	3.2
12.5	**7200**	**2.3**	117.0	"	"	39200	113000	15	6000	2.8
11	**8200**	**2.0**	130.9	"	"	42700	119400	13.5	6700	2.5
9.5	**9500**	**1.75**	149.5	"	"	45600	120000	11.5	7800	2.2
8.5	**10600**	**1.6**	167.2	"	"	49400	120000	10.5	8600	1.95
8.2	**11000**	**1.7**	174.7	**BK90Z-../D13LA4**	659	49400	120000	9.8	9200	2.0
7.3	**12400**	**1.5**	195.4	"	"	49400	120000	8.8	10300	1.8
6.1	**14800**	**1.25**	234.6	"	"	49400	120000	7.3	12400	1.5
5.5	**16400**	**1.15**	262.5	"	"	49400	120000	6.6	13700	1.35
4.9	**18500**	**1.0**	295.6	"	"	49400	120000	5.8	15600	1.2
4.3	**21000**	**0.88**	330.7	"	"	49400	120000	5.2	17400	1.05

P = 11 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
400	**240**	**3.0**	3.67	**BK50-../D16MA4**	191	115	9400	480	200	3.6
280	**345**	**2.4**	5.26	"	"	130	10700	335	285	2.8
205	**470**	**1.75**	7.29	"	"	620	11900	245	390	2.1
151	**620**	**1.5**	9.73	"	"	5400	15400	181	520	1.8
146	**660**	**1.25**	10.00	"	"	1220	13200	176	540	1.5
105	**900**	**1.15**	13.95	"	"	6100	17400	127	740	1.4
76	**1240**	**0.85**	19.33	"	"	6900	19200	92	1020	1.05
205	**510**	**2.9**	7.29	**BK60-../D16MA4**	203	2800	14900	245	425	3.4
135	**770**	**2.2**	10.82	"	"	3200	17000	163	640	2.6
106	**990**	**2.0**	13.85	"	"	3850	18000	128	820	2.4
102	**1020**	**1.9**	14.41	"	"	3650	18600	123	850	2.3
80	**1310**	**1.65**	18.36	"	"	4000	19900	96	1090	2.0
72	**1450**	**1.55**	20.54	"	"	4400	20600	86	1220	1.85
60	**1750**	**1.3**	24.45	"	"	4850	22000	72	1450	1.6
54	**1940**	**1.2**	27.36	"	"	5600	23200	65	1610	1.45
43.5	**2400**	**0.96**	33.78	"	"	6500	25200	53	1980	1.15
39	**2650**	**0.87**	37.80	"	"	7300	26500	47	2200	1.05
67	**1560**	**2.6**	21.88	**BK70-../D16MA4**	286	6500	30200	81	1290	3.2
59	**1780**	**2.4**	24.89	"	"	7000	31500	71	1470	2.9
47.5	**2200**	**2.1**	30.90	"	"	7500	33600	57	1840	2.5

P = 11 kW

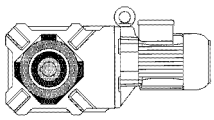


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
42	**2500**	**1.9**	35.15	**BK70-../D16MA4**	"	8000	35000	51	2050	2.3
36.5	**2850**	**1.7**	40.08	"	"	8300	36300	44	2350	2.1
32.5	**3200**	**1.6**	45.59	"	"	9000	37900	39	2650	1.95
27	**3850**	**1.35**	54.15	"	"	9900	40200	33	3150	1.65
24	**4350**	**1.2**	61.60	"	"	11500	42800	29	3600	1.45
21	**5000**	**1.05**	70.23	"	"	12500	44800	25.5	4100	1.25
18.5	**5600**	**0.93**	79.89	"	"	14300	47600	22.5	4650	1.1
16.5	**6300**	**0.83**	90.96	"	"	15300	49900	19.5	5300	0.98
43	**2400**	**3.3**	34.22	**BK80-../D16MA4**	396	12600	55400	52	2000	3.9
35	**3000**	**2.7**	41.78	"	"	13500	58700	42.5	2450	3.4
31.5	**3300**	**2.6**	46.80	"	"	14300	60900	38	2750	3.1
27.5	**3800**	**2.3**	53.21	"	"	14800	63100	33.5	3100	2.9
24.5	**4250**	**2.2**	59.60	"	"	15700	65500	30	3500	2.6
21	**5000**	**1.95**	70.72	"	"	16600	68700	25	4200	2.3
18.5	**5600**	**1.8**	79.22	"	"	17600	71300	22.5	4650	2.2
16	**6500**	**1.6**	91.53	"	"	18300	74200	19.5	5300	1.95
14.5	**7200**	**1.45**	102.5	"	"	20500	75000	17.5	6000	1.75
12.5	**8400**	**1.25**	117.5	"	"	22300	75000	15	7000	1.5
11.5	**9100**	**1.15**	131.6	"	"	24900	75000	13.5	7700	1.35
9.6	**10900**	**0.96**	153.1	"	"	27200	75000	11.5	9100	1.15
8.6	**12200**	**0.86**	171.5	"	"	30000	75000	10.5	10000	1.05
8.3	**12600**	**0.91**	177.6	**BK80Z-../D16MA4**	439	30000	75000	10	10500	1.1
7.4	**14100**	**0.82**	198.9	"	"	30000	75000	8.9	11800	0.97
19	**5500**	**3.1**	77.51	**BK90-../D16MA4**	649	30300	94400	23	4550	3.7
16.5	**6300**	**2.7**	91.19	"	"	33300	101000	19.5	5300	3.2
14.5	**7200**	**2.3**	102.0	"	"	36600	107000	17.5	6000	2.8
12.5	**8400**	**2.0**	117.0	"	"	39200	113000	15.5	6700	2.5
11.5	**9100**	**1.85**	130.9	"	"	42700	119400	13.5	7700	2.2
9.8	**10700**	**1.55**	149.5	"	"	45600	120000	12	8700	1.95
8.8	**11900**	**1.4**	167.2	"	"	49400	120000	11	9500	1.75
8.4	**12500**	**1.5**	174.7	**BK90Z-../D16MA4**	708	49400	120000	10.5	10000	1.85
7.5	**14000**	**1.3**	195.4	"	"	49400	120000	9.1	11500	1.6
6.3	**16600**	**1.1**	234.6	"	"	49400	120000	7.6	13800	1.35
5.6	**18700**	**0.99**	262.5	"	"	49400	120000	6.8	15400	1.2
5.0	**21000**	**0.88**	295.6	"	"	49400	120000	6.0	17500	1.05

P = 15 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
400	**325**	**2.2**	3.67	**BK50-../D16LA4**	204	115	9400	480	270	2.7
280	**470**	**1.75**	5.26	"	"	130	10700	335	390	2.1
205	**640**	**1.25**	7.29	"	"	620	11900	245	530	1.55
151	**850**	**1.1**	9.73	"	"	5400	15400	181	710	1.3
146	**900**	**0.9**	10.00	"	"	1220	13200	176	740	1.1
105	**1220**	**0.86**	13.95	"	"	6100	17400	127	1010	1.05
205	**690**	**2.1**	7.29	**BK60-../D16LA4**	216	2800	14900	245	580	2.5
135	**1060**	**1.6**	10.82	"	"	3200	17000	163	870	1.95
106	**1350**	**1.45**	13.85	"	"	3850	18000	128	1110	1.8
102	**1400**	**1.4**	14.41	"	"	3650	18600	123	1160	1.65
80	**1790**	**1.2**	18.36	"	"	4000	19900	96	1490	1.45
72	**1980**	**1.15**	20.54	"	"	4400	20600	86	1660	1.35
60	**2350**	**0.98**	24.45	"	"	4850	22000	72	1980	1.15
54	**2650**	**0.87**	27.36	"	"	5600	23200	65	2200	1.05
67	**2100**	**1.95**	21.88	**BK70-../D16LA4**	299	6500	30200	81	1760	2.3
59	**2400**	**1.8**	24.89	"	"	7000	31500	71	2000	2.1
47.5	**3000**	**1.5**	30.90	"	"	7500	33600	57	2500	1.8
42	**3400**	**1.4**	35.15	"	"	8000	35000	51	2800	1.7
36.5	**3900**	**1.25**	40.08	"	"	8300	36300	44	3250	1.5
32.5	**4400**	**1.15**	45.59	"	"	9000	37900	39	3650	1.4

P = 15 kW

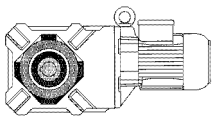


50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
27	**5300**	**0.98**	54.15	**BK70-../D16LA4**	"	9900	40200	33	4300	1.2
24	**5900**	**0.88**	61.60	"	"	11500	42800	29	4900	1.05
48	**2950**	**2.5**	30.56	**BK80-../D16LA4**	408	11900	53400	58	2450	3.1
43	**3300**	**2.4**	34.22	"	"	12600	55400	52	2750	2.8
35	**4050**	**2.0**	41.78	"	"	13500	58700	42.5	3350	2.5
31.5	**4500**	**1.9**	46.80	"	"	14300	60900	38	3750	2.3
27.5	**5200**	**1.7**	53.21	"	"	14800	63100	33.5	4250	2.1
24.5	**5800**	**1.6**	59.60	"	"	15700	65500	30	4750	1.95
21	**6800**	**1.4**	70.72	"	"	16600	68700	25	5700	1.7
18.5	**7700**	**1.3**	79.22	"	"	17600	71300	22.5	6300	1.6
16	**8900**	**1.15**	91.53	"	"	18300	74200	19.5	7300	1.4
14.5	**9800**	**1.05**	102.5	"	"	20500	75000	17.5	8100	1.3
12.5	**11400**	**0.92**	117.5	"	"	22300	75000	15	9500	1.1
11.5	**12400**	**0.85**	131.6	"	"	24900	75000	13.5	10600	0.99
27	**5300**	**3.0**	54.98	**BK90-../D16LA4**	662	24000	81000	32.5	4400	3.7
24	**5900**	**2.8**	61.52	"	"	25500	84600	29	4900	3.4
21.5	**6600**	**2.5**	69.27	"	"	27200	88900	25.5	5600	3.0
19	**7500**	**2.2**	77.51	"	"	30300	94400	23	6200	2.7
16.5	**8600**	**1.95**	91.19	"	"	33300	101000	19.5	7300	2.3
14.5	**9800**	**1.7**	102.0	"	"	36600	107000	17.5	8100	2.1
12.5	**11400**	**1.45**	117.0	"	"	39200	113000	15.5	9200	1.85
11.5	**12400**	**1.35**	130.9	"	"	42700	119400	13.5	10600	1.6
9.8	**14600**	**1.15**	149.5	"	"	45600	120000	12	11900	1.4
8.8	**16200**	**1.05**	167.2	"	"	49400	120000	11	13000	1.3
8.4	**17000**	**1.1**	174.7	**BK90Z-../D16LA4**	721	49400	120000	10.5	13600	1.35
7.5	**19100**	**0.97**	195.4	"	"	49400	120000	9.1	15700	1.2
6.3	**22700**	**0.81**	234.6	"	"	49400	120000	7.6	18800	0.98

P = 18.5 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
400	**405**	**1.75**	3.67	**BK50-../D16XA4**	214	115	9400	480	335	2.1
280	**580**	**1.4**	5.26	"	"	130	10700	335	485	1.65
205	**790**	**1.05**	7.29	"	"	620	11900	245	660	1.25
151	**1050**	**0.89**	9.73	"	"	5400	15400	181	870	1.05
205	**860**	**1.7**	7.29	**BK60-../D16XA4**	226	2800	14900	245	720	2.0
135	**1300**	**1.3**	10.82	"	"	3200	17000	163	1080	1.55
106	**1660**	**1.2**	13.85	"	"	3850	18000	128	1380	1.45
102	**1730**	**1.1**	14.41	"	"	3650	18600	123	1430	1.35
80	**2200**	**0.99**	18.36	"	"	4000	19900	96	1840	1.2
72	**2450**	**0.92**	20.54	"	"	4400	20600	86	2050	1.1
67	**2600**	**1.55**	21.88	**BK70-../D16XA4**	309	6500	30200	81	2150	1.9
59	**2950**	**1.45**	24.89	"	"	7000	31500	71	2450	1.75
47.5	**3700**	**1.2**	30.90	"	"	7500	33600	57	3050	1.5
42	**4200**	**1.15**	35.15	"	"	8000	35000	51	3450	1.35
36.5	**4800**	**1.0**	40.08	"	"	8300	36300	44	4000	1.2
32.5	**5400**	**0.95**	45.59	"	"	9000	37900	39	4500	1.15
27	**6500**	**0.8**	54.15	"	"	9900	40200	33	5300	0.98
48	**3650**	**2.1**	30.56	**BK80-../D16XA4**	418	11900	53400	58	3000	2.5
43	**4100**	**1.9**	34.22	"	"	12600	55400	52	3350	2.3
35	**5000**	**1.65**	41.78	"	"	13500	58700	42.5	4150	2.0
31.5	**5600**	**1.55**	46.80	"	"	14300	60900	38	4600	1.85
27.5	**6400**	**1.4**	53.21	"	"	14800	63100	33.5	5200	1.7
24.5	**7200**	**1.3**	59.60	"	"	15700	65500	30	5800	1.6
21	**8400**	**1.15**	70.72	"	"	16600	68700	25	7000	1.4
18.5	**9500**	**1.05**	79.22	"	"	17600	71300	22.5	7800	1.3
16	**11000**	**0.95**	91.53	"	"	18300	74200	19.5	9000	1.15
14.5	**12100**	**0.87**	102.5	"	"	20500	75000	17.5	10000	1.05

P = 18.5 kW



50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
36	**4900**	**3.0**	40.94	**BK90-../D16XA4**	672	21400	73100	43	4100	3.6
32	**5500**	**2.8**	45.80	"	"	22700	76300	38.5	4550	3.4
27	**6500**	**2.5**	54.98	"	"	24000	81000	32.5	5400	3.0
24	**7300**	**2.3**	61.52	"	"	25500	84600	29	6000	2.8
21.5	**8200**	**2.0**	69.27	"	"	27200	88900	25.5	6900	2.4
19	**9200**	**1.85**	77.51	"	"	30300	94400	23	7600	2.2
16.5	**10700**	**1.55**	91.19	"	"	33300	101000	19.5	9000	1.85
14.5	**12100**	**1.4**	102.0	"	"	36600	107000	17.5	10000	1.7
12.5	**14100**	**1.2**	117.0	"	"	39200	113000	15.5	11300	1.5
11.5	**15300**	**1.1**	130.9	"	"	42700	119400	13.5	13000	1.3
9.8	**18000**	**0.93**	149.5	"	"	45600	120000	12	14700	1.15
8.8	**20000**	**0.84**	167.2	"	"	49400	120000	11	16000	1.05
8.4	**21000**	**0.88**	174.7	**BK90Z-../D16XA4**	731	49400	120000	10.5	16800	1.1

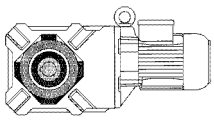
P = 22 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
97	**2150**	**1.45**	15.16	**BK70-../D18LA4**	366	5600	25800	117	1790	1.7
85	**2450**	**1.45**	17.24	"	"	6500	29200	103	2000	1.75
67	**3100**	**1.3**	21.88	"	"	6500	30200	81	2550	1.6
59	**3550**	**1.2**	24.89	"	"	7000	31500	71	2950	1.45
47.5	**4400**	**1.05**	30.90	"	"	7500	33600	57	3650	1.25
42	**5000**	**0.95**	35.15	"	"	8000	35000	51	4100	1.15
36.5	**5700**	**0.86**	40.08	"	"	8300	36300	44	4750	1.05
32.5	**6400**	**0.8**	45.59	"	"	9000	37900	39	5300	0.97
92	**2250**	**2.1**	15.88	**BK80-../D18LA4**	480	8400	38600	111	1890	2.5
83	**2500**	**2.1**	17.79	"	"	9400	42100	99	2100	2.5
66	**3150**	**2.2**	22.19	"	"	10500	48500	80	2600	2.6
59	**3550**	**2.0**	24.85	"	"	11200	50400	71	2950	2.4
48	**4350**	**1.7**	30.56	"	"	11900	53400	58	3600	2.1
43	**4850**	**1.6**	34.22	"	"	12600	55400	52	4000	1.95
35	**6000**	**1.35**	41.78	"	"	13500	58700	42.5	4900	1.7
31.5	**6600**	**1.3**	46.80	"	"	14300	60900	38	5500	1.55
27.5	**7600**	**1.15**	53.21	"	"	14800	63100	33.5	6200	1.45
24.5	**8500**	**1.1**	59.60	"	"	15700	65500	30	7000	1.3
21	**10000**	**0.96**	70.72	"	"	16600	68700	25	8400	1.15
18.5	**11300**	**0.89**	79.22	"	"	17600	71300	22.5	9300	1.1
48	**4350**	**3.1**	30.47	**BK90-../D18LA4**	734	19100	65900	58	3600	3.8
43	**4850**	**2.9**	34.09	"	"	20300	68800	52	4000	3.5
36	**5800**	**2.5**	40.94	"	"	21400	73100	43	4850	3.0
32	**6500**	**2.4**	45.80	"	"	22700	76300	38.5	5400	2.9
27	**7700**	**2.1**	54.98	"	"	24000	81000	32.5	6400	2.5
24	**8700**	**1.95**	61.52	"	"	25500	84600	29	7200	2.3
21.5	**9700**	**1.75**	69.27	"	"	27200	88900	25.5	8200	2.0
19	**11000**	**1.55**	77.51	"	"	30300	94400	23	9100	1.85
16.5	**12700**	**1.3**	91.19	"	"	33300	101000	19.5	10700	1.55
14.5	**14400**	**1.15**	102.0	"	"	36600	107000	17.5	12000	1.4
12.5	**16800**	**1.0**	117.0	"	"	39200	113000	15.5	13500	1.25
11.5	**18200**	**0.92**	130.9	"	"	42700	119400	13.5	15500	1.1

P = 30 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
97	**2950**	**1.05**	15.16	**BK70-../D18XA4**	384	5600	25800	117	2400	1.3
85	**3350**	**1.05**	17.24	"	"	6500	29200	103	2750	1.25
67	**4250**	**0.96**	21.88	"	"	6500	30200	81	3500	1.15
59	**4850**	**0.88**	24.89	"	"	7000	31500	71	4000	1.05
92	**3100**	**1.55**	15.88	**BK80-../D18XA4**	498	8400	38600	111	2550	1.9
83	**3450**	**1.5**	17.79	"	"	9400	42100	99	2850	1.85

P = 30 kW



50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
66	**4300**	**1.6**	22.19	**BK80-../D18XA4**	"	10500	48500	80	3550	1.9
59	**4850**	**1.45**	24.85	"	"	11200	50400	71	4000	1.75
48	**5900**	**1.25**	30.56	"	"	11900	53400	58	4900	1.55
43	**6600**	**1.2**	34.22	"	"	12600	55400	52	5500	1.4
35	**8100**	**1.0**	41.78	"	"	13500	58700	42.5	6700	1.25
31.5	**9000**	**0.95**	46.80	"	"	14300	60900	38	7500	1.15
27.5	**10400**	**0.85**	53.21	"	"	14800	63100	33.5	8500	1.05
24.5	**11600**	**0.8**	59.60	"	"	15700	65500	30	9500	0.97
81	**3500**	**3.3**	18.07	**BK90-../D18XA4**	752	15600	54400	98	2900	4.0
73	**3900**	**3.1**	20.21	"	"	16600	56700	88	3250	3.7
66	**4300**	**2.9**	22.29	"	"	16900	59100	79	3600	3.4
59	**4850**	**2.6**	24.94	"	"	18000	61700	71	4000	3.2
48	**5900**	**2.3**	30.47	"	"	19100	65900	58	4900	2.8
43	**6600**	**2.1**	34.09	"	"	20300	68800	52	5500	2.6
36	**7900**	**1.85**	40.94	"	"	21400	73100	43	6600	2.2
32	**8900**	**1.75**	45.80	"	"	22700	76300	38.5	7400	2.1
27	**10600**	**1.5**	54.98	"	"	24000	81000	32.5	8800	1.85
24	**11900**	**1.4**	61.52	"	"	25500	84600	29	9800	1.7
21.5	**13300**	**1.25**	69.27	"	"	27200	88900	25.5	11200	1.5
19	**15000**	**1.1**	77.51	"	"	30300	94400	23	12400	1.35
16.5	**17300**	**0.97**	91.19	"	"	33300	101000	19.5	14600	1.15
14.5	**19700**	**0.85**	102.0	"	"	36600	107000	17.5	16300	1.05

P = 37 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
92	**3800**	**1.25**	15.88	**BK80-..-K/DNF22SB4**	712	8400	38600	111	3150	1.5
83	**4250**	**1.25**	17.79	"	"	9400	42100	99	3550	1.5
66	**5300**	**1.3**	22.19	"	"	10500	48500	80	4400	1.55
59	**5900**	**1.2**	24.85	"	"	11200	50400	71	4950	1.45
48	**7300**	**1.05**	30.56	"	"	11900	53400	58	6000	1.25
81	**4350**	**2.6**	18.07	**BK90-..-K/DNF22SB4**	966	15600	54400	98	3600	3.2
73	**4800**	**2.5**	20.21	"	"	16600	56700	88	4000	3.0
66	**5300**	**2.3**	22.29	"	"	16900	59100	79	4450	2.8
59	**5900**	**2.2**	24.94	"	"	18000	61700	71	4950	2.6
48	**7300**	**1.85**	30.47	"	"	19100	65900	58	6000	2.3
43	**8200**	**1.7**	34.09	"	"	20300	68800	52	6700	2.1
36	**9800**	**1.5**	40.94	"	"	21400	73100	43	8200	1.8
32	**11000**	**1.4**	45.80	"	"	22700	76300	38.5	9100	1.7
27	**13000**	**1.25**	54.98	"	"	24000	81000	32.5	10800	1.5
24	**14700**	**1.15**	61.52	"	"	25500	84600	29	12100	1.4
21.5	**16400**	**1.0**	69.27	"	"	27200	88900	25.5	13800	1.2

P = 45 kW

50 Hz			i	Type	m	F_{RN}	F_{RV}	60 Hz		
n_2	M_2	f_B						n_2	M_2	f_B
1/min	Nm				kg	N	N	1/min	Nm	
92	**4650**	**1.05**	15.88	**BK80-..-K/DNF22MB4**	742	8400	38600	111	3850	1.25
83	**5100**	**1.05**	17.79	"	"	9400	42100	99	4300	1.2
66	**6500**	**1.05**	22.19	"	"	10500	48500	80	5300	1.3
81	**5300**	**2.2**	18.07	**BK90-..-K/DNF22MB4**	996	15600	54400	98	4350	2.6
73	**5800**	**2.1**	20.21	"	"	16600	56700	88	4850	2.5
66	**6500**	**1.9**	22.29	"	"	16900	59100	79	5400	2.3
59	**7200**	**1.8**	24.94	"	"	18000	61700	71	6000	2.1
48	**8900**	**1.5**	30.47	"	"	19100	65900	58	7400	1.85
43	**9900**	**1.4**	34.09	"	"	20300	68800	52	8200	1.7
36	**11900**	**1.25**	40.94	"	"	21400	73100	43	9900	1.5
32	**13400**	**1.15**	45.80	"	"	22700	76300	38.5	11100	1.4
27	**15900**	**1.0**	54.98	"	"	24000	81000	32.5	13200	1.2

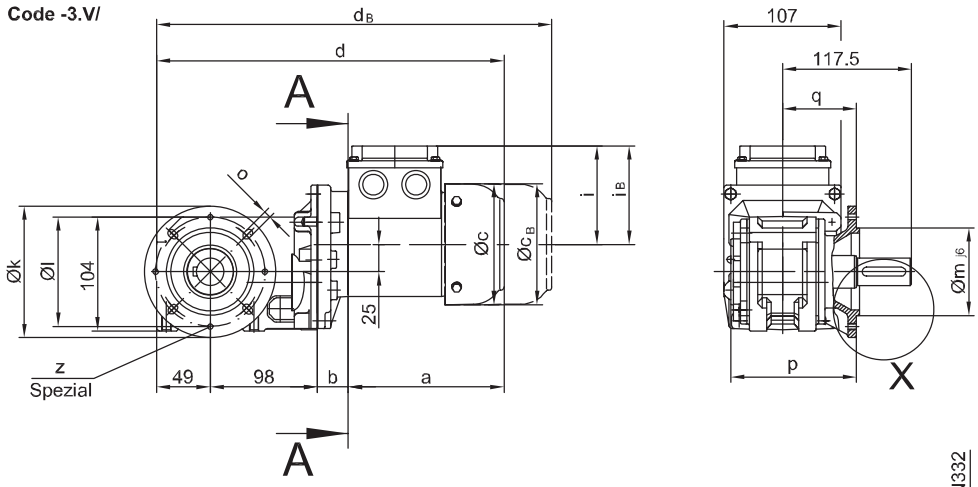
12.3 Dimensional drawings, bevel-geared motors

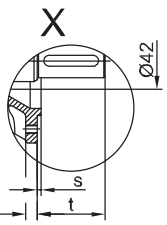
BK06

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

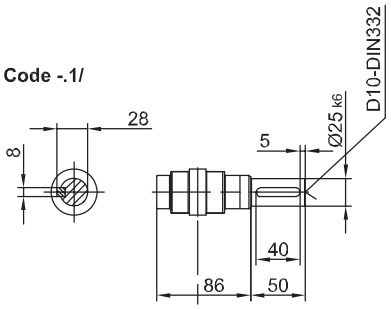
Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

Code -3.V/





Code -.1/



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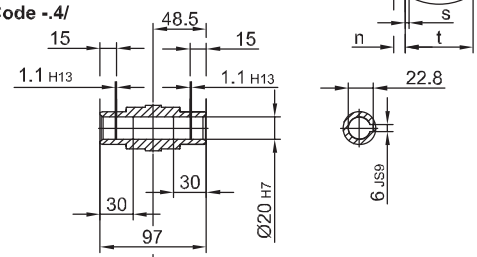

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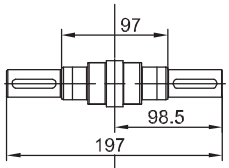
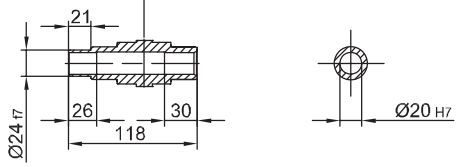
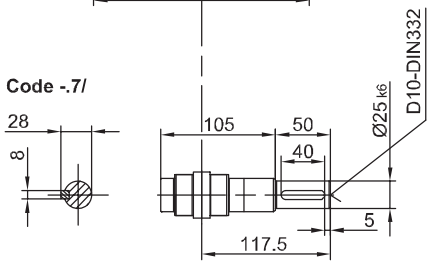
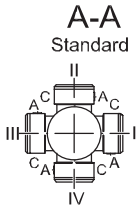


Code -.5/



Code -.7/





Flanschmasse/ Flange dimensions/ cotes de la bride

BK06	k	l	m	n	o	p	q	s	t	z
Standard/ -37V/	120	100	80	8	6.6	115	67.5	3	50	-
Spezial/ -37V/	120	100	80	8	6.6	115	67.5	3	50	4xM6

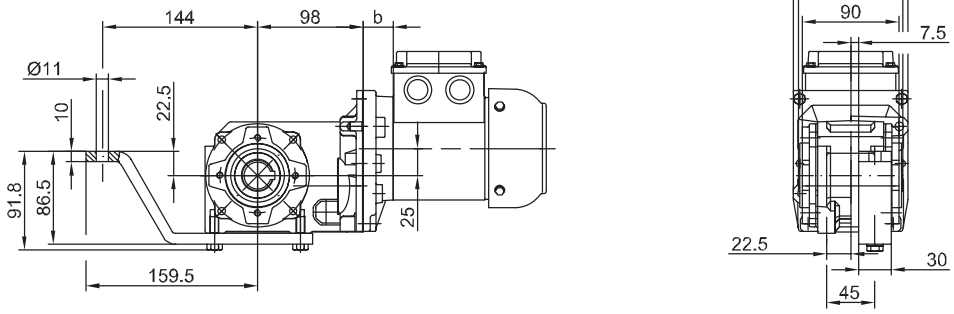
Typ/ Type/ Type	a	b	c	d	i	Ausführung mit Bremse/ with brake/ avec frein											
						i_B	E003		E004		E008							
							c_B	d_B	c_B	d_B	c_B	d_B						
BK06-../D04..	143	28	111	318	90	90	111	361										
BK06-../D05..	170	30	123	348	100	100	123	390										
BK06-../D06..	170	30	123	348	100	100	123	390										
BK06-../D07..	190	30	123	368	100	100	123	410	123	410								
BK06-../D08..	200	74	156	421	115	115					166	508						

BK06

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

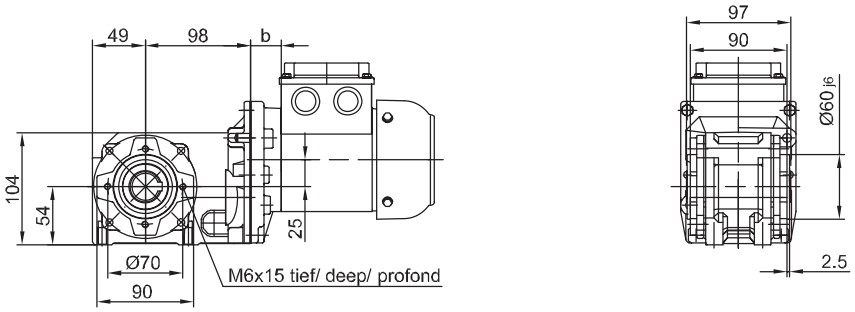
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



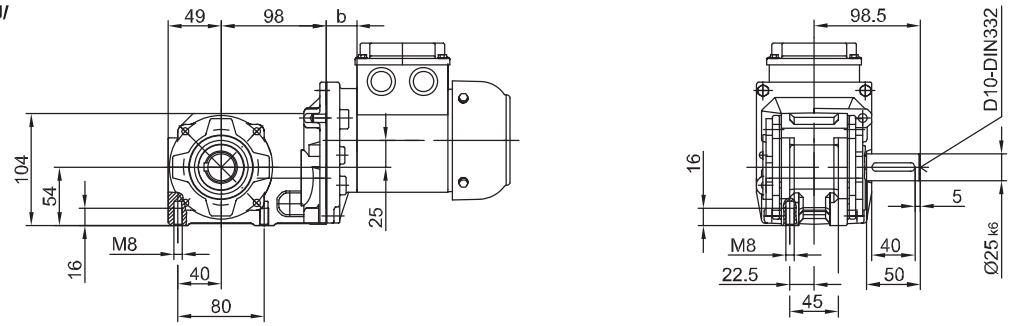
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



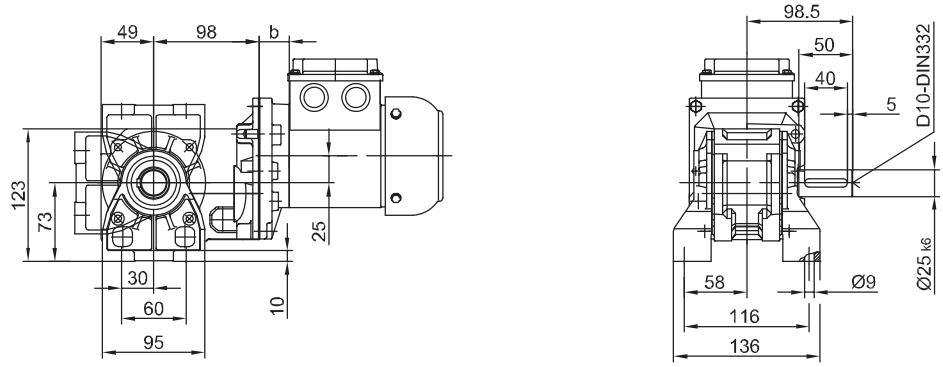
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ fixation à pied avec trous taraudés en bas

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/

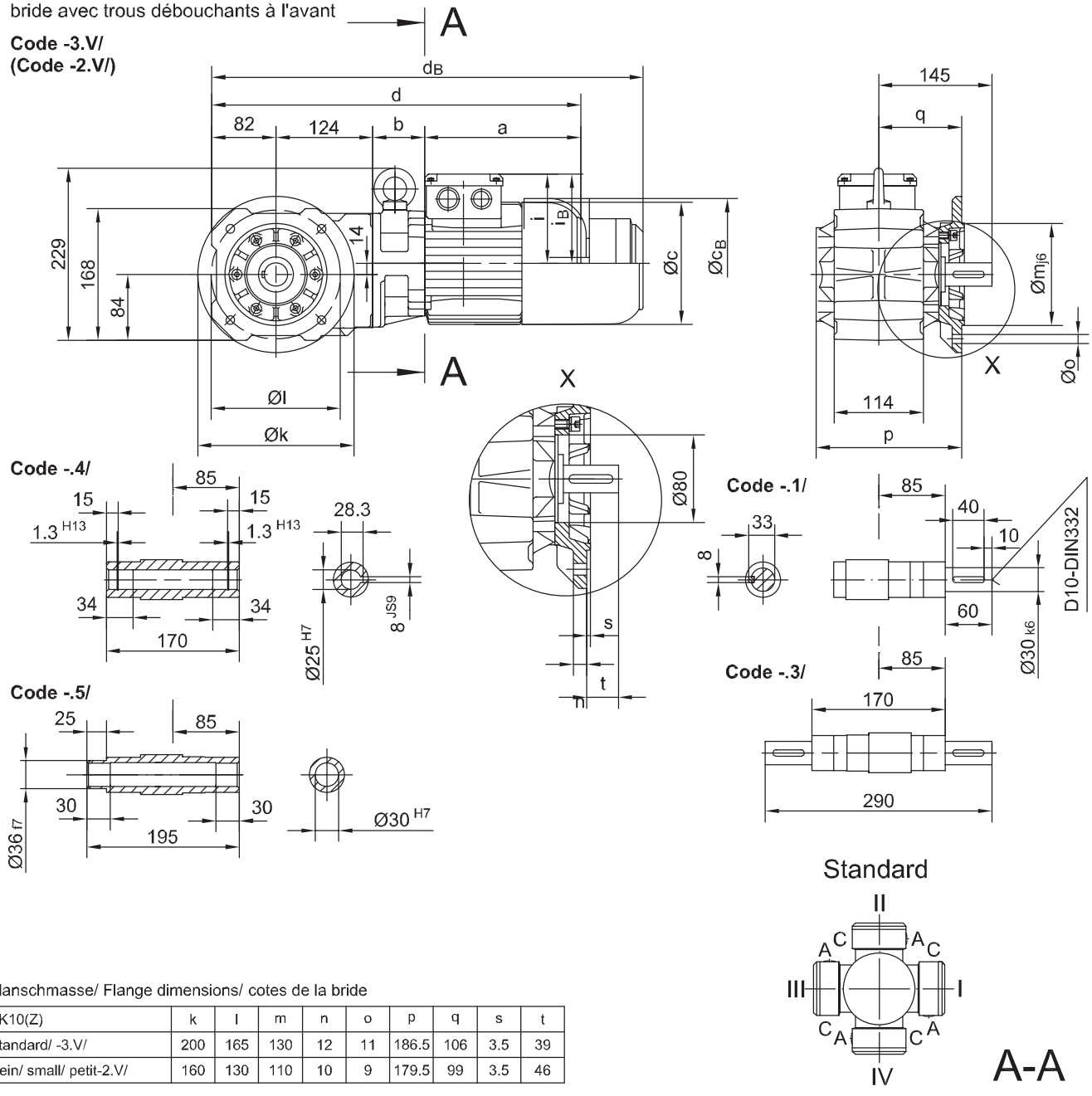


12

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK10 - BK10Z

Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant



Flanschmasse/ Flange dimensions/ cotes de la bride

BK10(Z)	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	200	165	130	12	11	186.5	106	3.5	39
klein/ small/ petit-2.V/	160	130	110	10	9	179.5	99	3.5	46

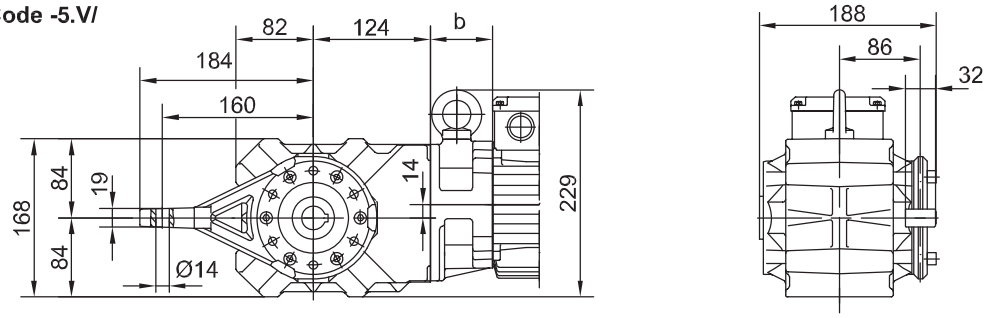
Typ/ Type/ Type	a	b	c	d	i	Ausführung mit Bremse/ with brake/ avec frein											
						i_B	E003		E004		E008		Z008		Z015			
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B		
BK10Z-../D04..	143	86	111	435	90	90	111	478										
BK10-../D05..	170	62	123	439	100	100	123	481										
BK10Z-../D05..	170	88	123	465	100	100	123	507										
BK10-../D06..	170	62	123	439	100	100	123	481										
BK10Z-../D06..	170	88	123	465	100	100	123	507										
BK10-../D07..	190	62	123	459	100	100	123	501	123	501								
BK10Z-../D07..	190	88	123	485	100	100	123	527	123	527								
BK10-../D08..	200	66	156	472	115	115					166	547						
BK10Z-../D08..	200	132	156	538	115	115					166	613						
BK10-../D09..	251	80.5	181	537	124	124					192	617	192	631	192	637		

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK10 - BK10Z

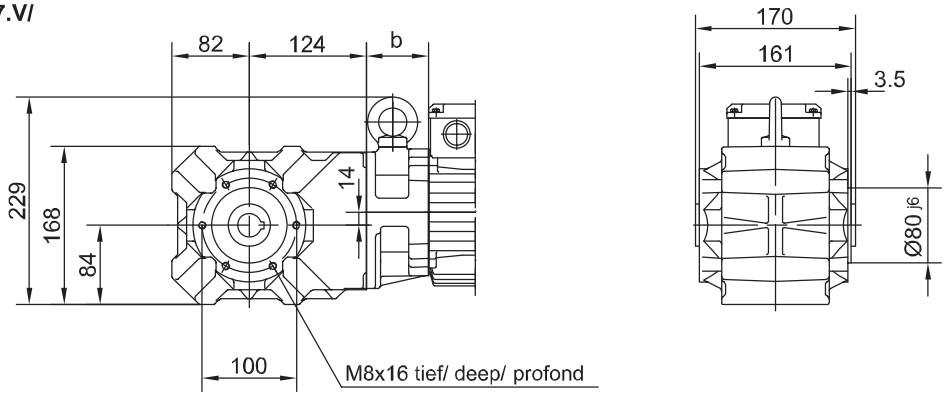
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



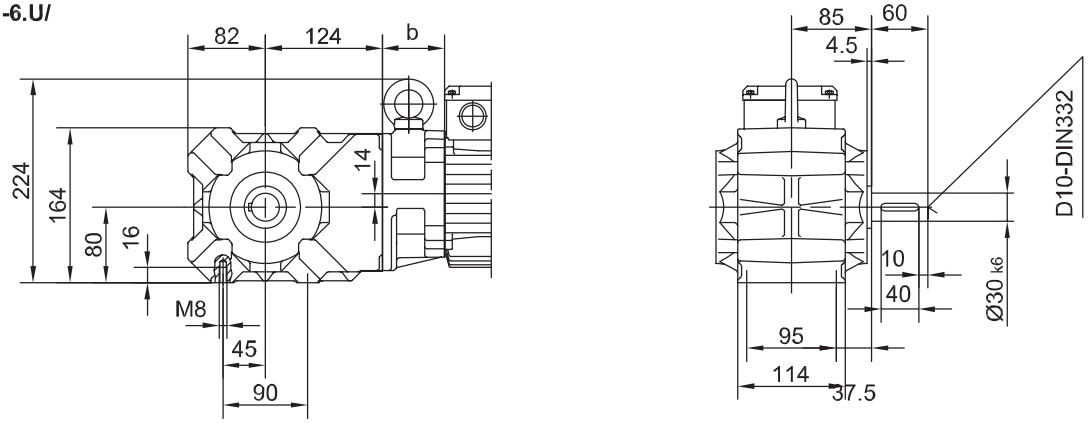
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



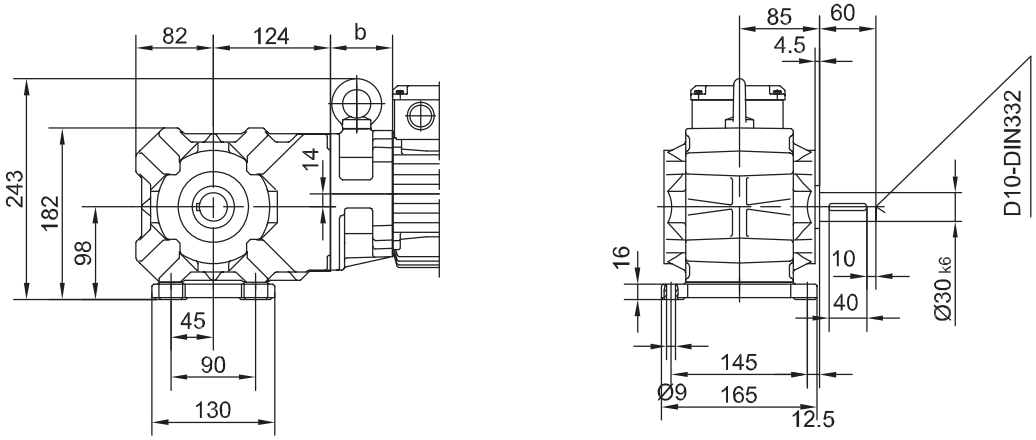
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ fixation à pied avec trous taraudés en bas

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



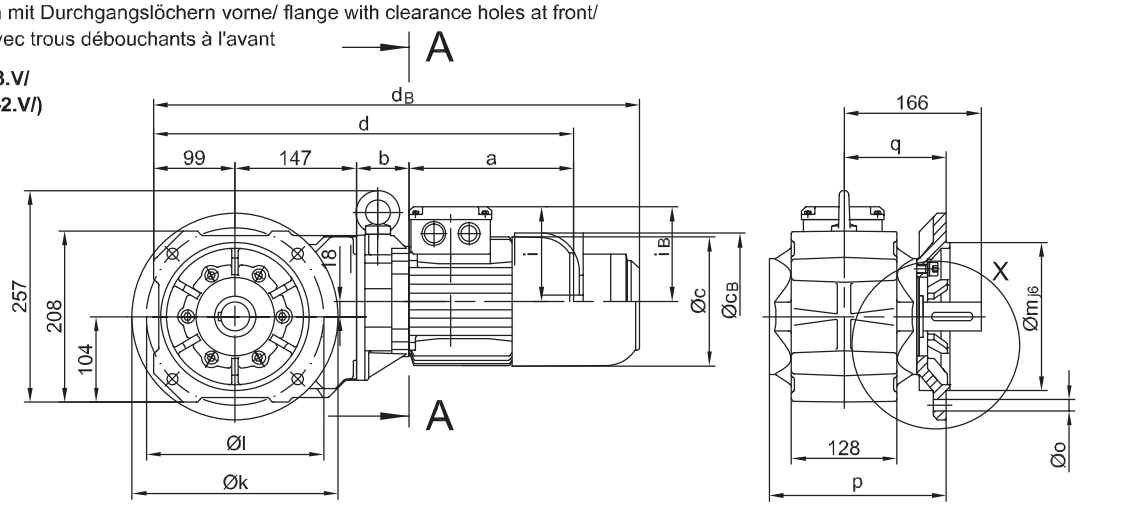
12

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

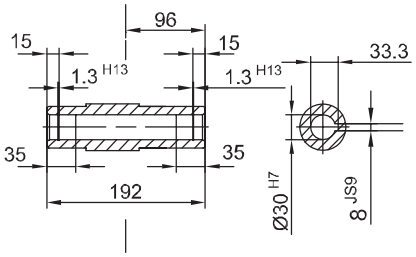
BK20 - BK20Z

Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

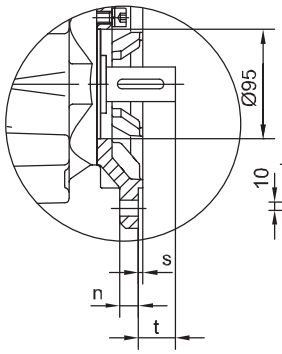
Code -3.V/
(Code -2.V/)



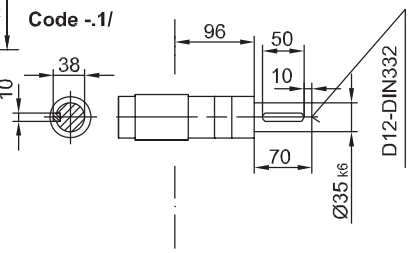
Code -.4/



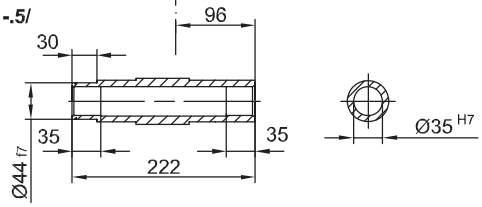
X



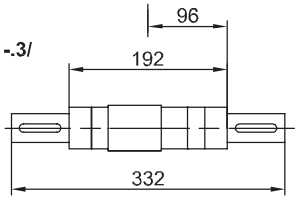
Code -.1/



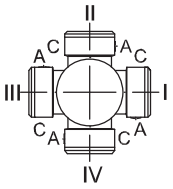
Code -.5/



Code -.3/



Standard



A-A

Flanschmasse/ Flange dimensions/ cotes de la bride

BK20(Z)	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	250	215	180	16	13.5	215.5	124	4	42
klein/ small/ petit-2.V/	200	165	130	12	11	206.5	115	3.5	51

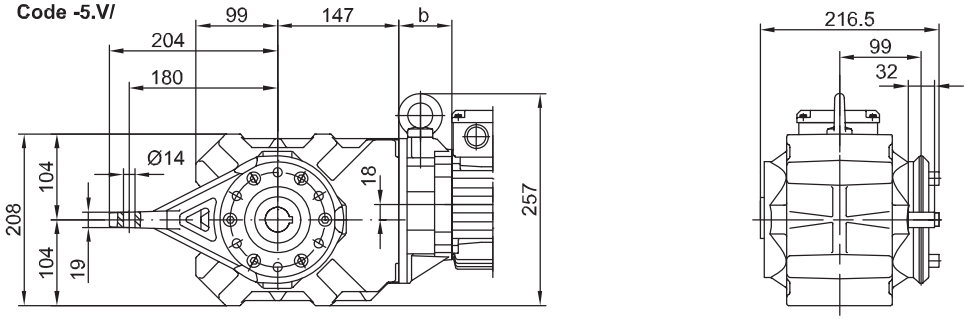
Typ/ Type/ Type	a	b	c	d	i	Ausführung mit Bremse/ with brake/ avec frein											
						i_B	E003		E004		E008		Z008		Z015			
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B		
BK20Z-../D04..	143	100	111	489	90	90	111	532										
BK20-../D05..	170	60	123	477	100	100	123	519										
BK20Z-../D05..	170	102	123	519	100	100	123	561										
BK20-../D06..	170	60	123	477	100	100	123	519										
BK20Z-../D06..	170	102	123	519	100	100	123	561										
BK20-../D07..	190	60	123	497	100	100	123	539	123	539								
BK20Z-../D07..	190	102	123	539	100	100	123	581	123	581								
BK20-../D08..	200	64	156	510	115	115					166	585						
BK20Z-../D08..	200	146	156	592	115	115					166	667						
BK20-../D09..	251	78.5	181	575	124	124					192	655	192	669	192	678		

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK20 - BK20Z

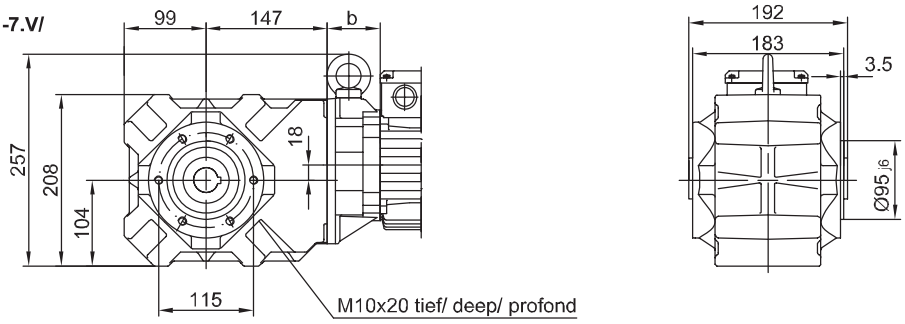
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



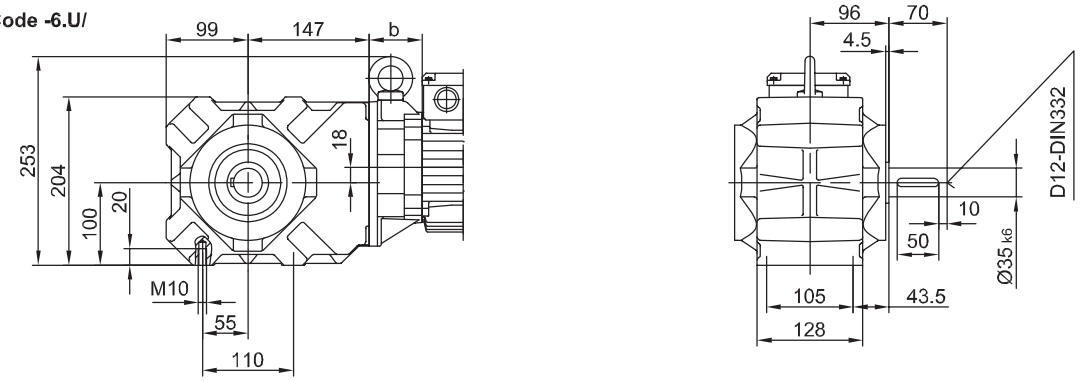
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



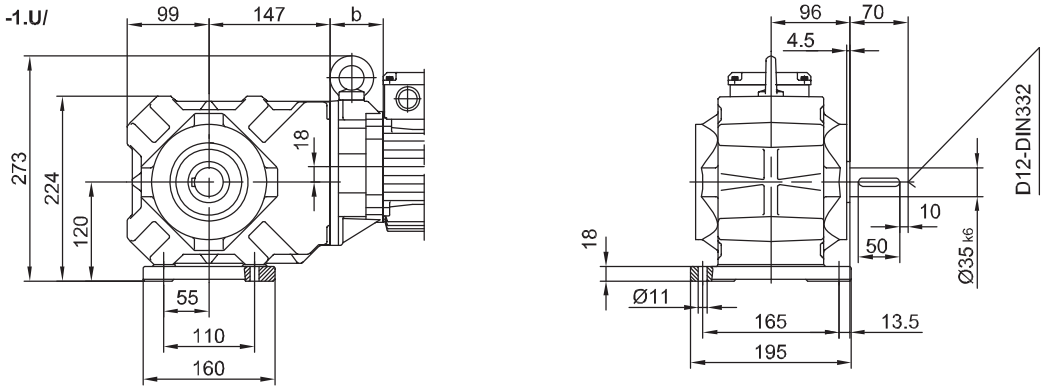
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ fixation à pied avec trous taraudés en bas

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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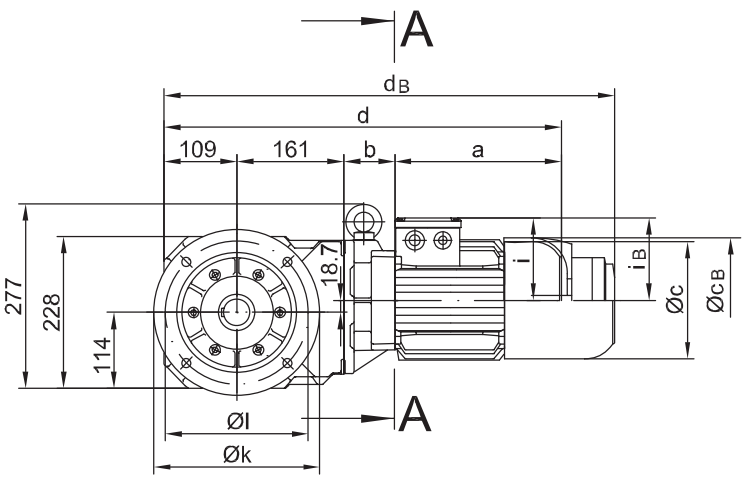
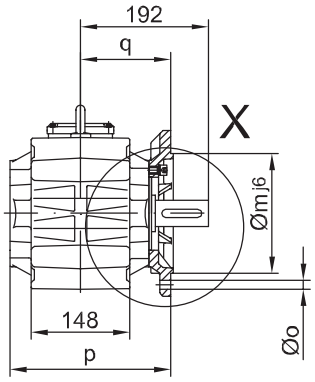
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK30 - BK30Z

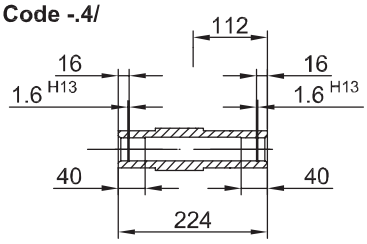
Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

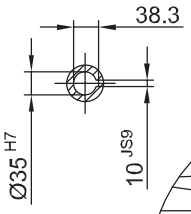
Code -3.V/
(Code -2.V/)

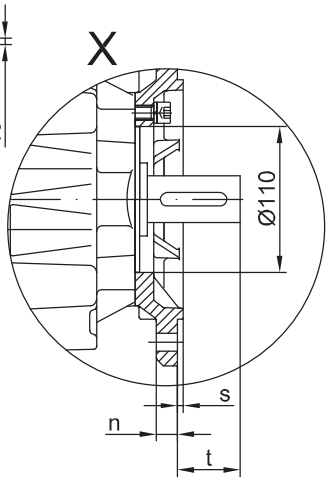




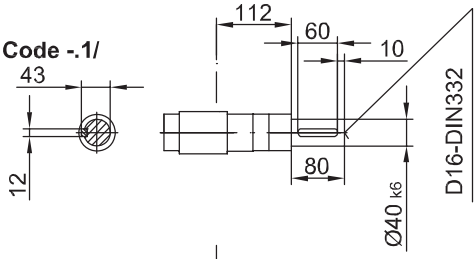
Code -.4/



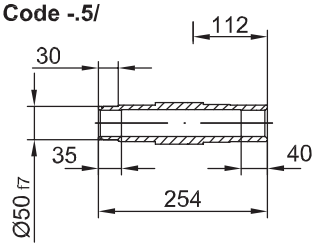


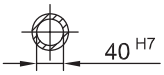


Code -.1/

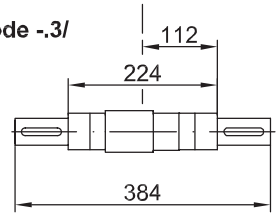


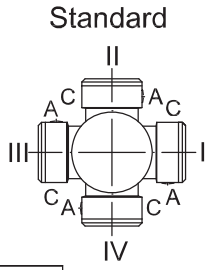
Code -.5/





Code -.3/





A-A

Flanschmasse/ Flange dimensions/ cotes de la bride

BK30(Z)	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	250	215	180	16	13.5	242	135	4	57
klein/ small/ petit-2.V/	200	165	130	12	11	239	132	3.5	60

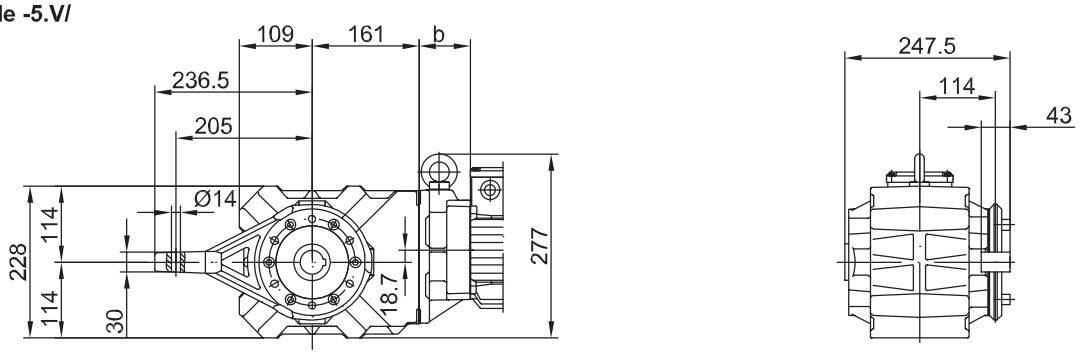
Typ/ Type/ Type	a	b	c	d	i	Ausführung mit Bremse/ with brake/ avec frein											
						i_B	E003		E004		E008		Z008		Z015		E075	
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B
BK30-../D05..	170	58	123	499	100	100	123	541										
BK30Z-../D05..	170	133.5	123	574	100	100	123	616										
BK30-../D06..	170	58	123	499	100	100	123	541										
BK30Z-../D06..	170	133.5	123	574	100	100	123	616										
BK30-../D07..	190	58	123	519	100	100	123	561	123	561								
BK30Z-../D07..	190	133.5	123	594	100	100	123	636	123	636								
BK30-../D08..	200	62	156	532	115	115					166	607						
BK30Z-../D08..	200	137.5	156	607	115	115					166	682						
BK30-../D09..	251	76.5	181	597	124	124					192	677	192	691	192	697		
BK30Z-../D09..	251	152	181	673	124	124					192	752	192	766	192	772		
BK30-../D11..	319	83	228	672	181	181									231	774.5	231	804.5

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK30 - BK30Z

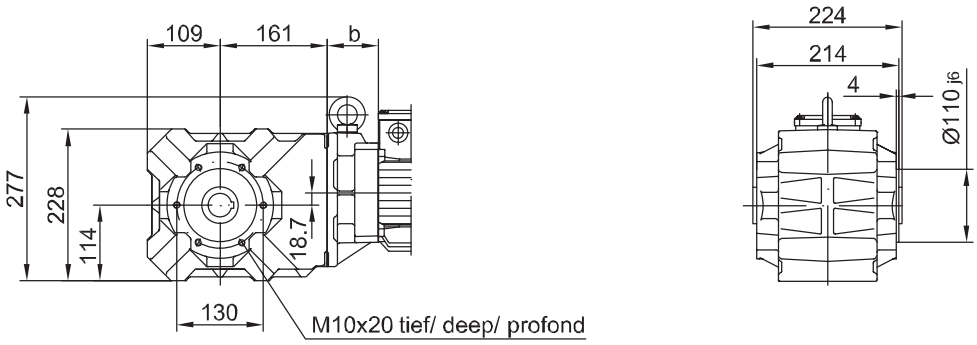
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



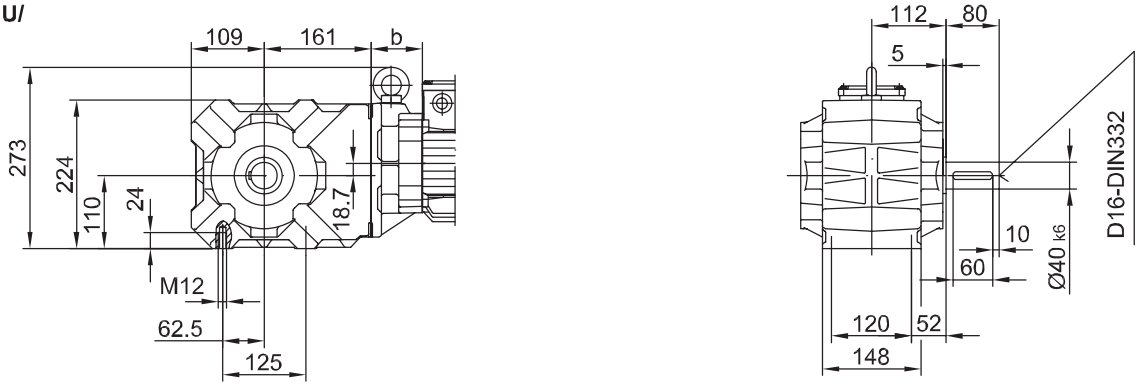
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



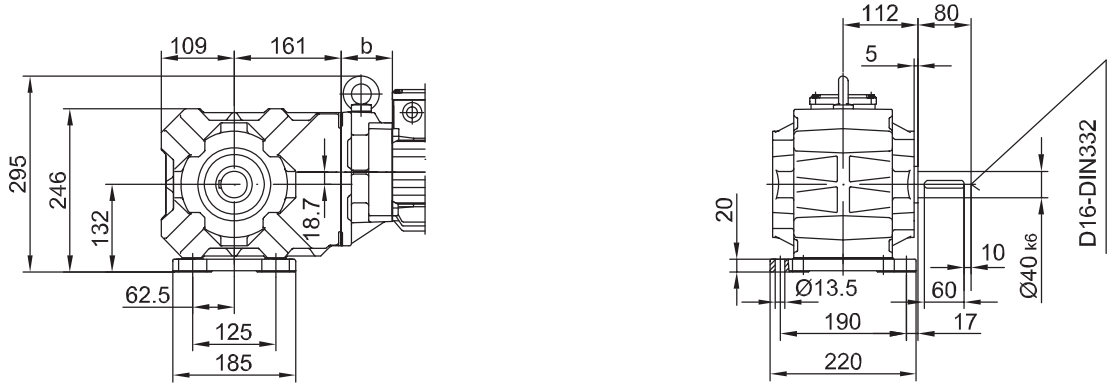
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ fixation à pied avec trous taraudés en bas

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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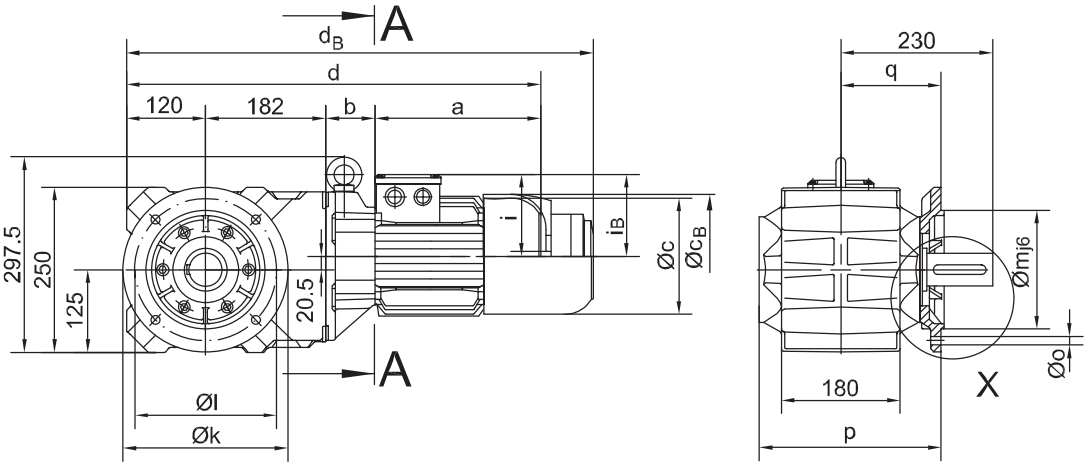
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

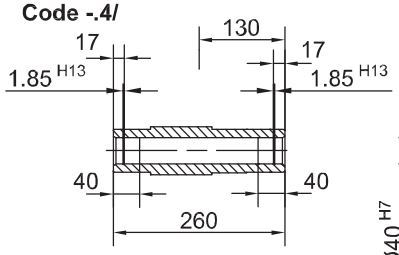
BK40 - BK40Z

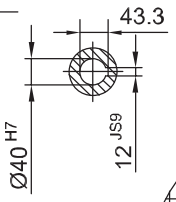
Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

Code -3.V/
(Code -4.V/)

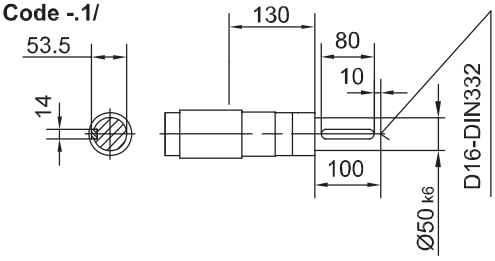


Code -.4/

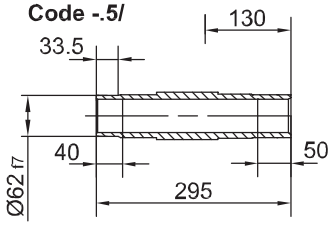


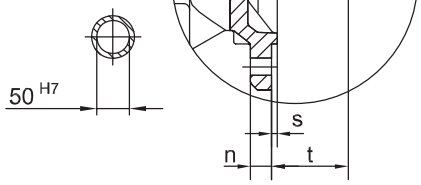


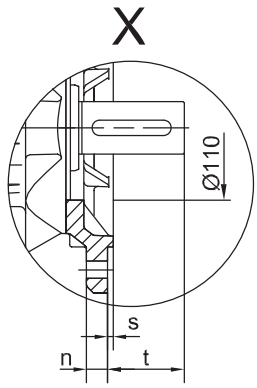
Code -.1/



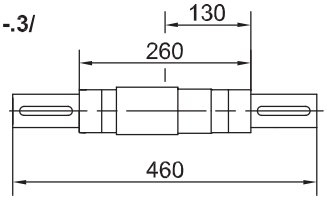
Code -.5/



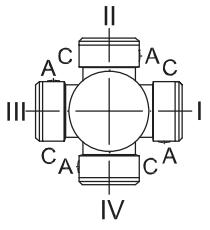




Code -.3/



Standard



A-A

Flanschmasse/ Flange dimensions/ cotes de la bride

BK40(Z)	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	250	215	180	16	13.5	276	152	4	78
gross/ big/ grande -4.V/	300	265	230	20	13.5	282	158	4	72

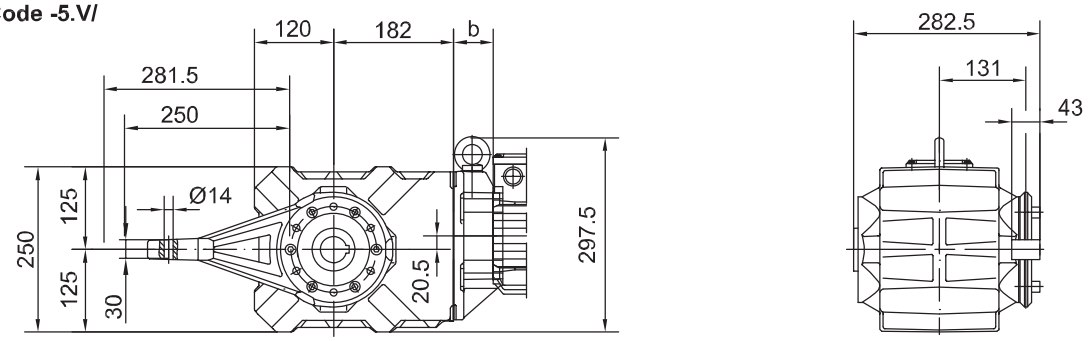
Typ/ Type/ Type	a	b	c	d	i	Ausführung mit Bremse/ with brake/ avec frein											
						i_B	E003		E004		E008		Z008		Z015		E075	
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B
BK40Z-../D05..	170	138.5	123	611	100	100	123	653										
BK40Z-../D06..	170	138.5	123	611	100	100	123	653										
BK40Z-../D07..	190	138.5	123	631	100	100	123	673	123	673								
BK40-../D08..	200	60	156	562	115	115					166	637						
BK40Z-../D08..	200	142.5	156	644	115	115					166	719						
BK40-../D09..	251	74.5	181	627	124	124					192	707	192	721	192	727		
BK40Z-../D09..	251	157	181	710	124	124					192	789	192	803	192	809		
BK40-../D11..	319	81	228	702	181	181									231	805	231	835

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK40 - BK40Z

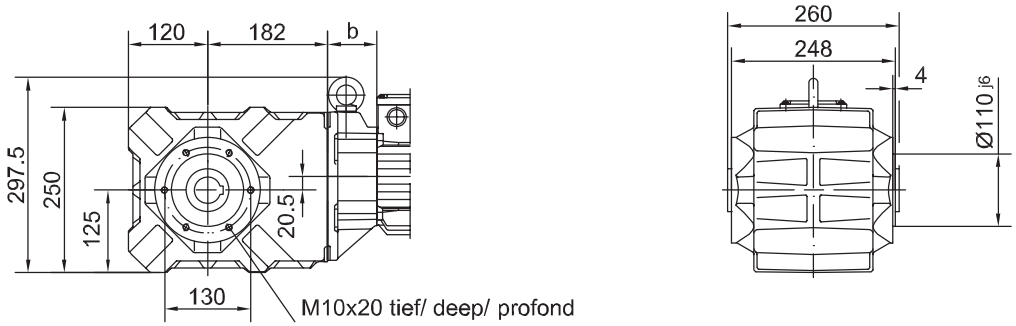
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



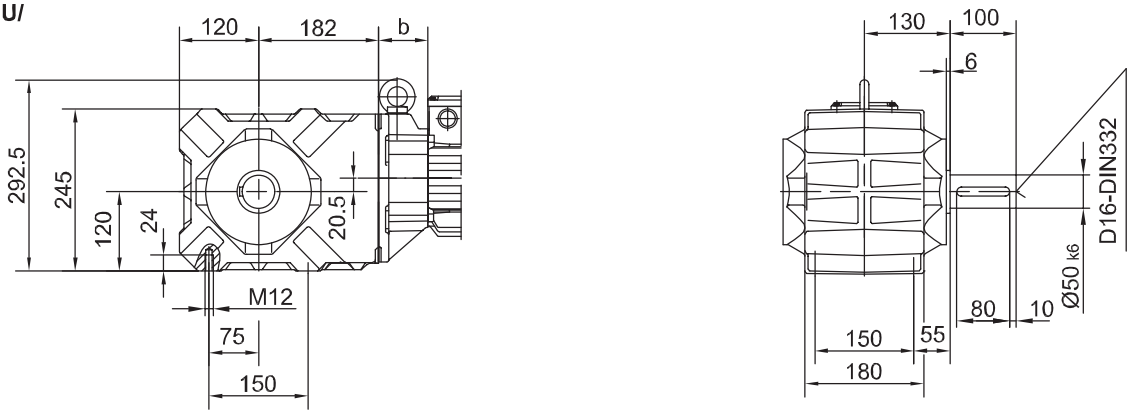
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



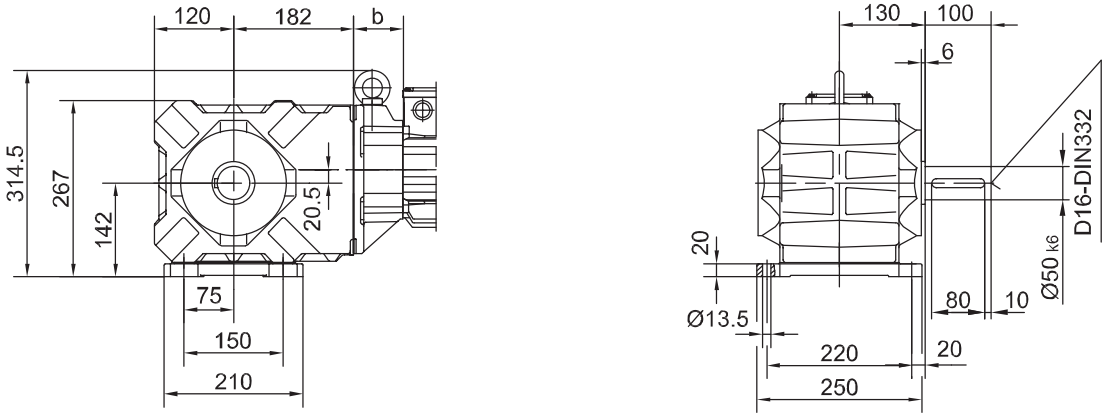
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ fixation à pied avec trous taraudés en bas

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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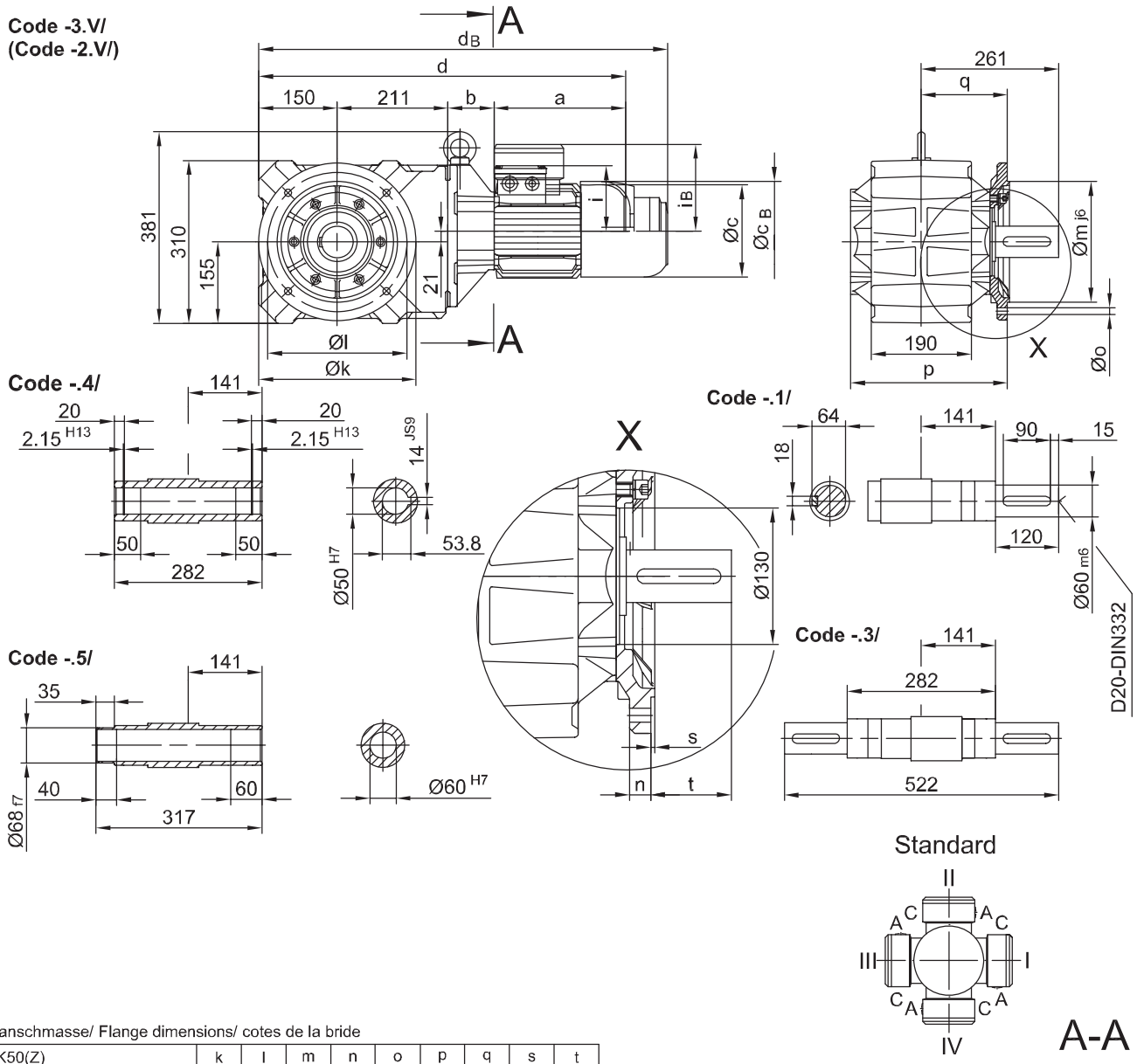
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK50 - BK50Z

Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant



Flanschmasse/ Flange dimensions/ cotes de la bride

BK50(Z)	k	l	m	n	o	p	q	s	t
Standard -3.V/	300	265	230	20	13.5	298.5	164	4	97
klein/ small/ petit -2.V/	250	215	180	16	13.5	296	161	4	100

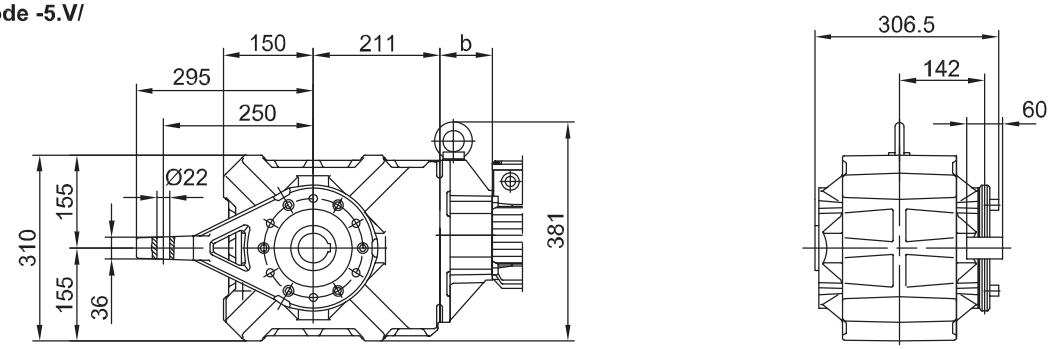
Typ/ Type/ Type	a	b	c	d	i		Ausführung mit Bremse/ with brake/ avec frein															
						i_B	E003		E004		E008		Z008		Z015		E075		Z075		Z100	
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B
BK50Z-../D05..	170	155	123	687	100	100	123	729														
BK50Z-../D06..	170	155	123	687	100	100	123	729														
BK50Z-../D07..	190	155	123	707	100	100	123	749	123	749												
BK50-../D08..	200	73	156	634	115	115					166	709										
BK50Z-../D08..	200	159	156	720	115	115					166	795										
BK50-../D09..	251	87.5	181	699	124	124					192	779	192	793	192	799						
BK50Z-../D09..	251	173.5	181	785	124	124					192	865	192	879	192	885						
BK50-../D11..	319	94	228	774	181	181									231	877	231	907				
BK50-../D13..	393	107	266	861	217	217											277	996	277	1015		
BK50-../D16..	429	121	322	911	243	243											310	1044	310	1063	310	1083

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK50 - BK50Z

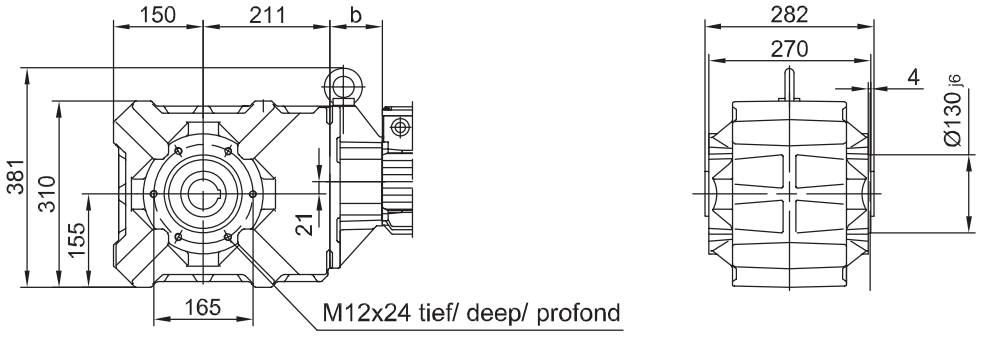
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



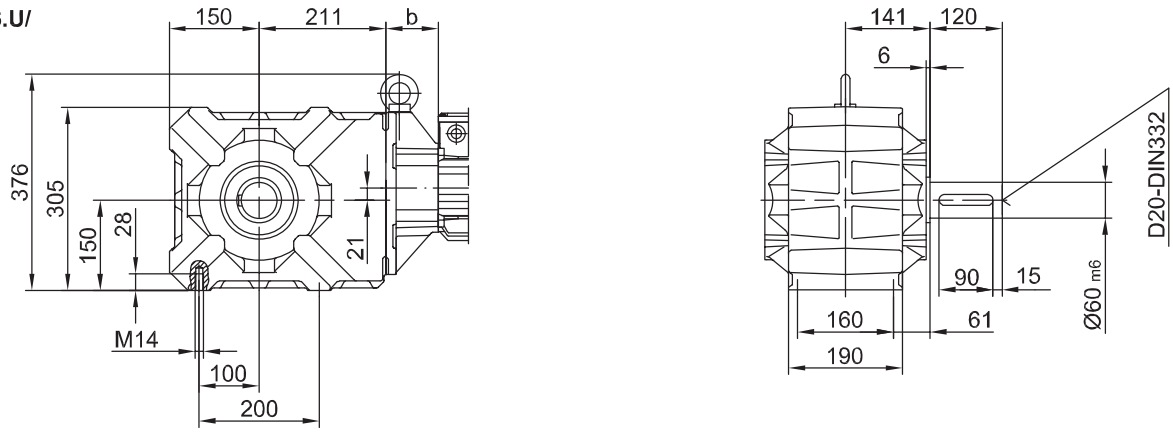
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



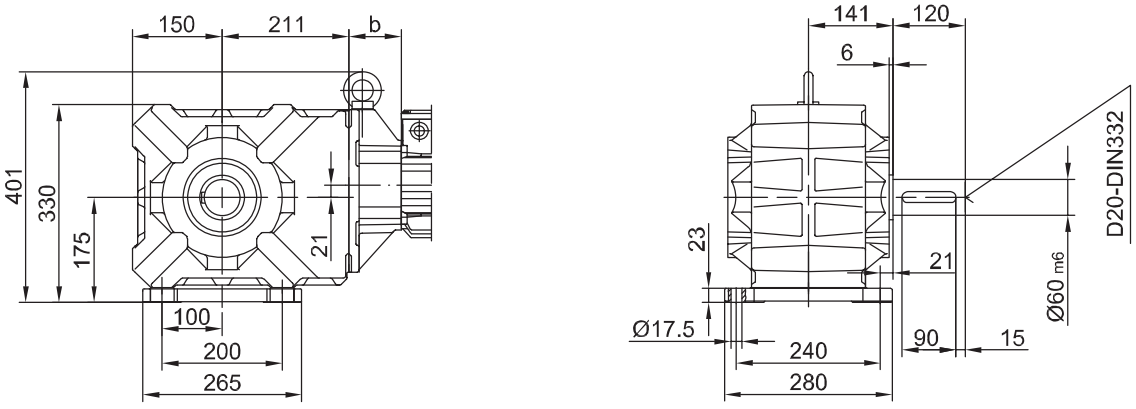
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ fixation à pied avec trous taraudés en bas

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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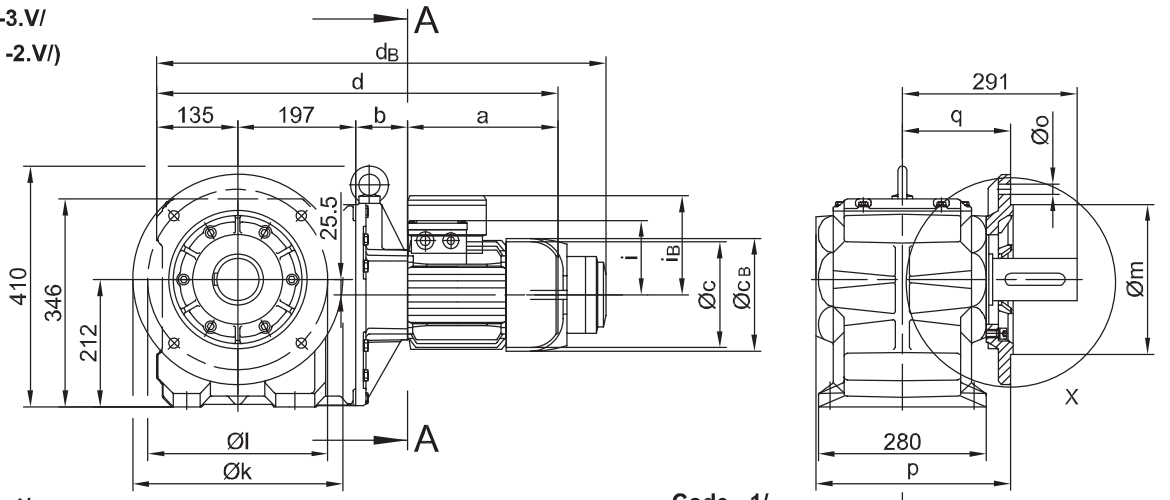
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

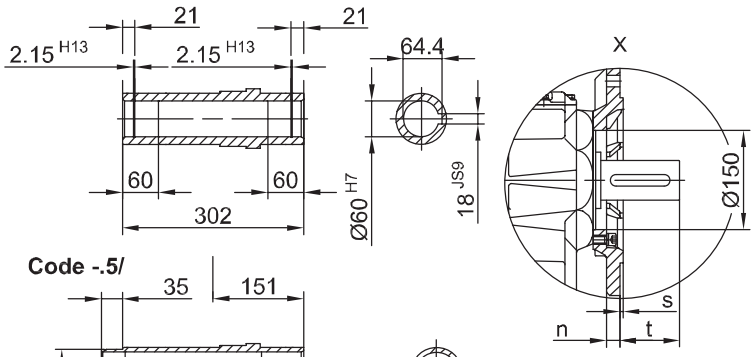
BK60 - BK60Z

Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

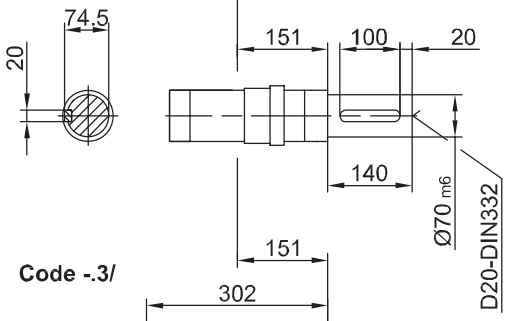
Code -3.V/
(Code -2.V/)



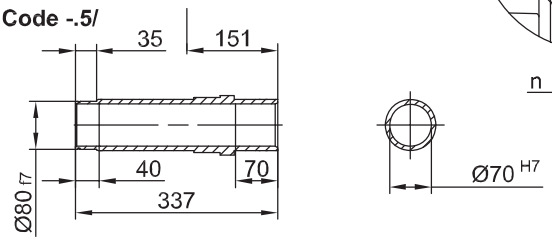
Code -.4/



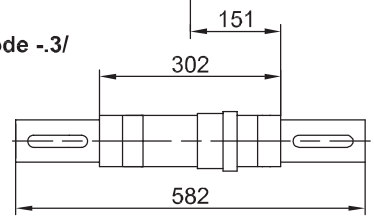
Code -.1/



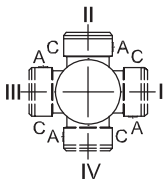
Code -.5/



Code -.3/



Standard



A-A

Flanschmasse/ Flange dimensions/ cotes de la bride

BK60(Z)	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	350	300	250_{h6}	20	17.5	324	180	5	111
klein/ small/ petit-2.V/	300	265	230_{j6}	20	13.5	332	188	4	103

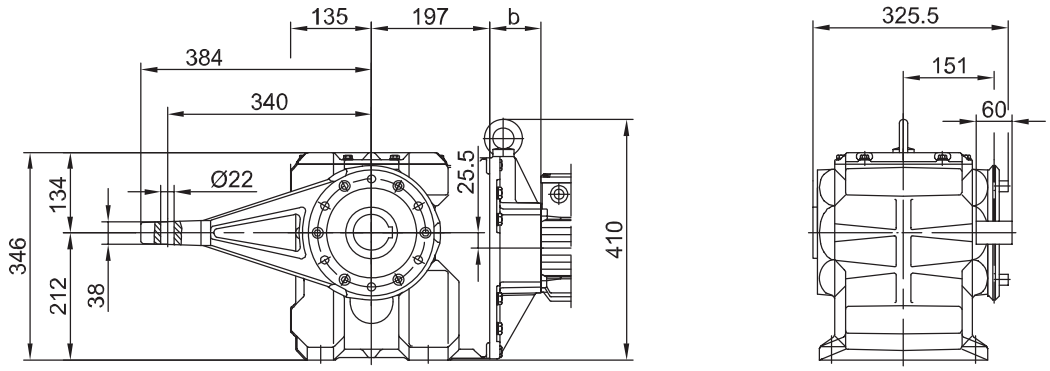
Typ/ Type/ Type	a	b	c	d	i	Ausführung mit Bremse/ with brake/ avec frein											
						i_B	E008		Z008		Z015		E075		Z075		Z100	
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B
BK60Z-../D08..	200	181	156	713	115	115	166	788										
BK60-../D09..	251	85.5	181	668	124	124	192	748	192	762	192	768						
BK60Z-../D09..	251	195.5	181	778	124	124	192	858	192	872	192	878						
BK60-../D11..	319	92	228	743	181	181					231	846	231	876				
BK60Z-../D11..	319	202	228	853	181	181					231	956	231	986				
BK60-../D13..	393	105	266	830	217	217							277	965	277	984		
BK60-../D16..	429	119	322	880	243	243							326	1013	326	1032	326	1052

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK60 - BK60Z

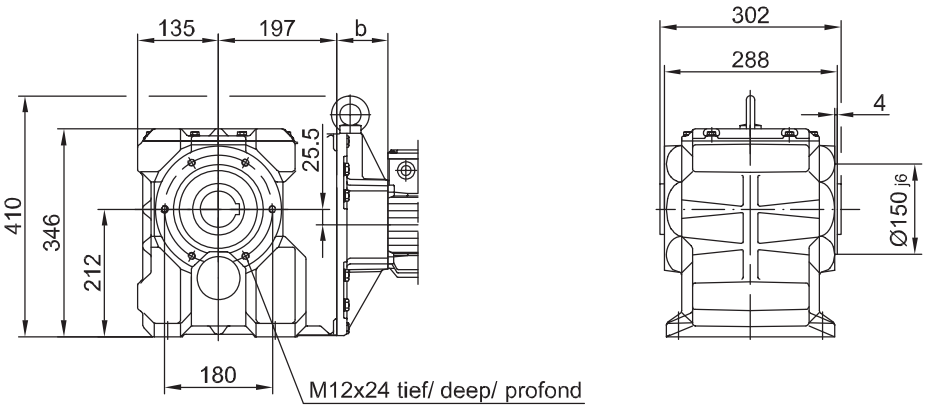
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



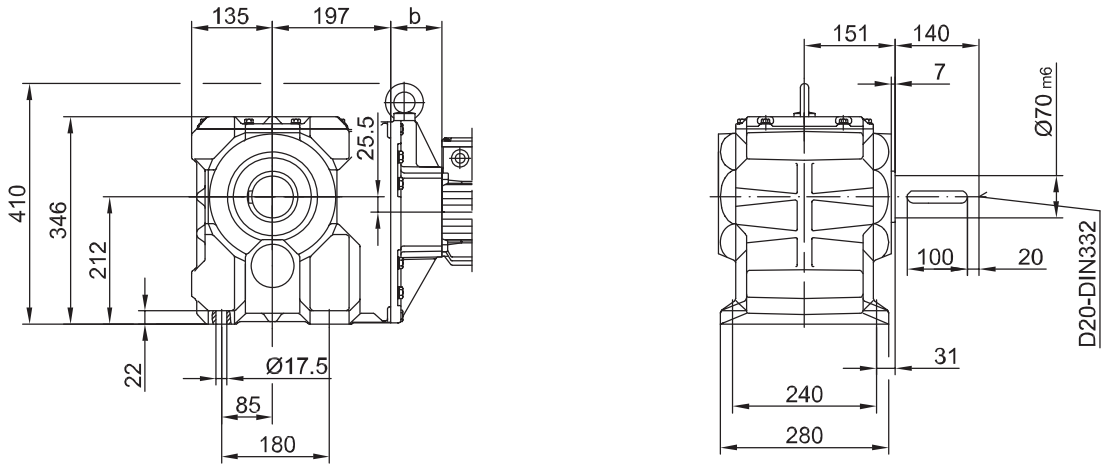
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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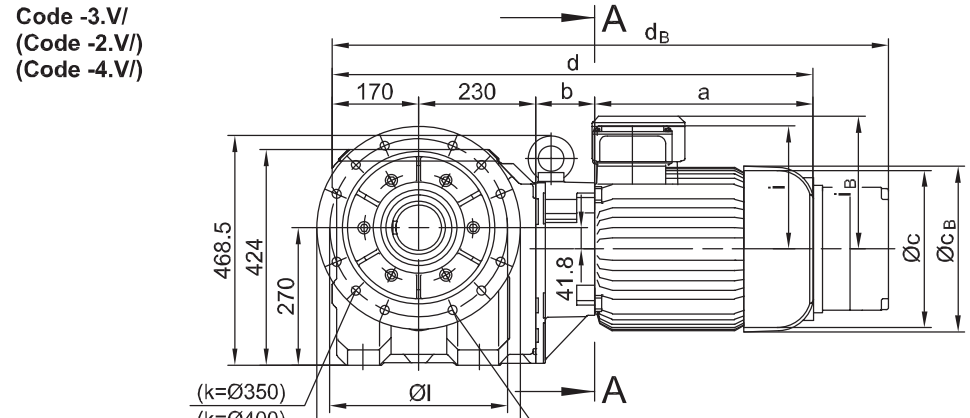
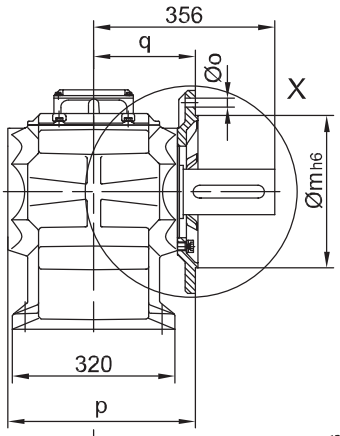
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK70 - BK70Z

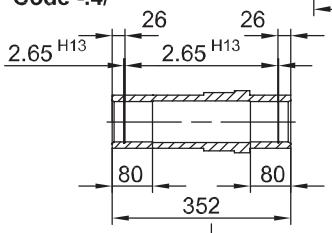
Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

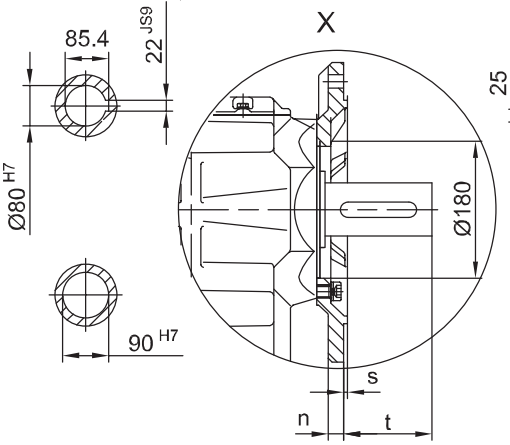
Code -3.V/
(Code -2.V/)
(Code -4.V/)



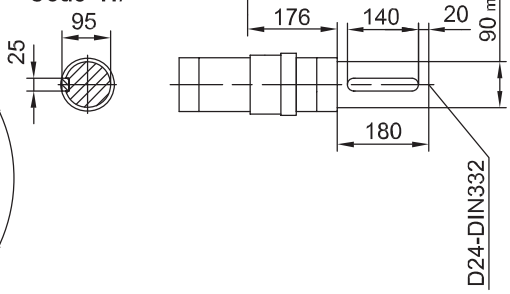


Code -.4/

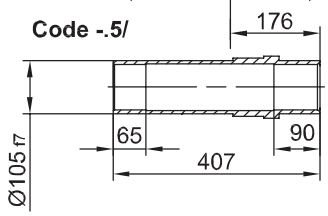




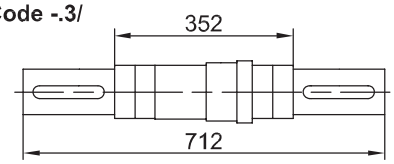
Code -.1/



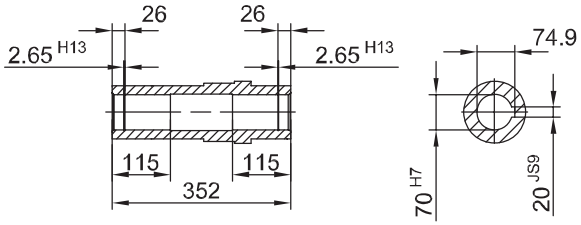
Code -.5/

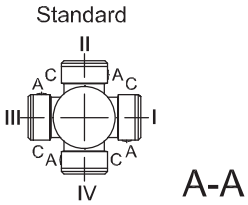


Code -.3/



Code -.4/K70





Flanschmasse/ Flange dimensions/ cotes de la bride

BK70(Z)	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	400	350	300	20	4 x Ø17.5	369	200	5	156
klein/ small/ petit -2.V/	350	300	250	20	4 x Ø17.5	369	200	5	156
gross/ big/ grande -4.V/	450	400	350	22	8 x Ø17.5	379	210	5	146

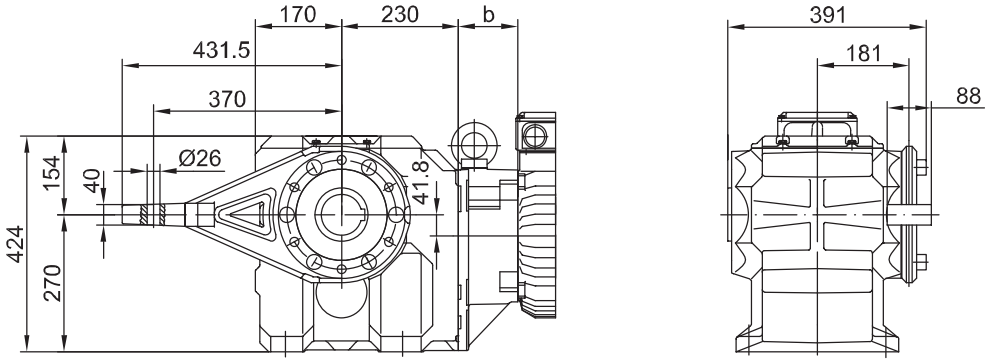
Typ/ Type/ Type	a	b	c	d	i	Ausführung mit Bremse/ with brake/ avec frein													
						i_B	E008		Z008		Z015		E075		Z075		Z100		E500	
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B
BK70Z-../D08..	200	202	156	802	115	115	166	877												
BK70-../D09..	251	83.5	181	734	124	124	192	814	192	828	192	834								
BK70Z-../D09..	251	216.5	181	867	124	124	192	947	192	961	192	967								
BK70-../D11..	319	90	228	809	181	181					231	912	231	942						
BK70Z-../D11..	319	223	228	942	181	181					231	1045	231	1075						
BK70-../D13..	393	103	266	896	217	217							277	1031	277	1050				
BK70Z-../D13..	393	236	266	1029	217	217							277	1164	277	1183				
BK70-../D16..	429	117	322	946	243	243							326	1079	326	1098	326	1118		
BK70Z-../D16..	429	250	322	1079	243	243							326	1212	326	1231	326	1251		
BK70-../D18..	528	139	368	1067	288	288											366	1247	366	1228

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK70 - BK70Z

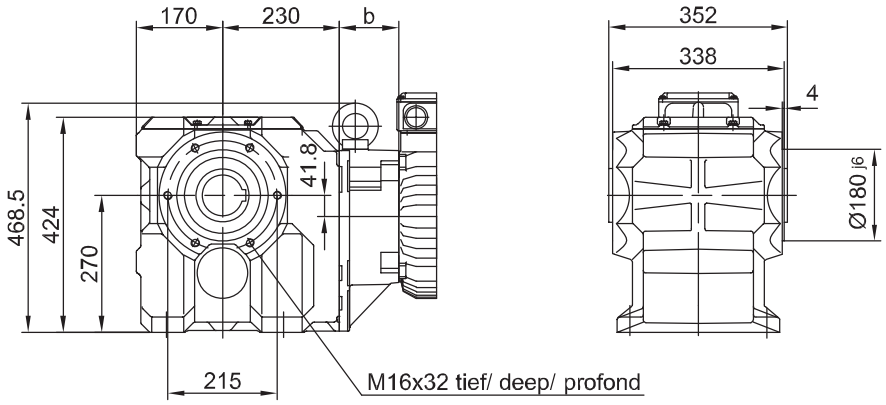
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



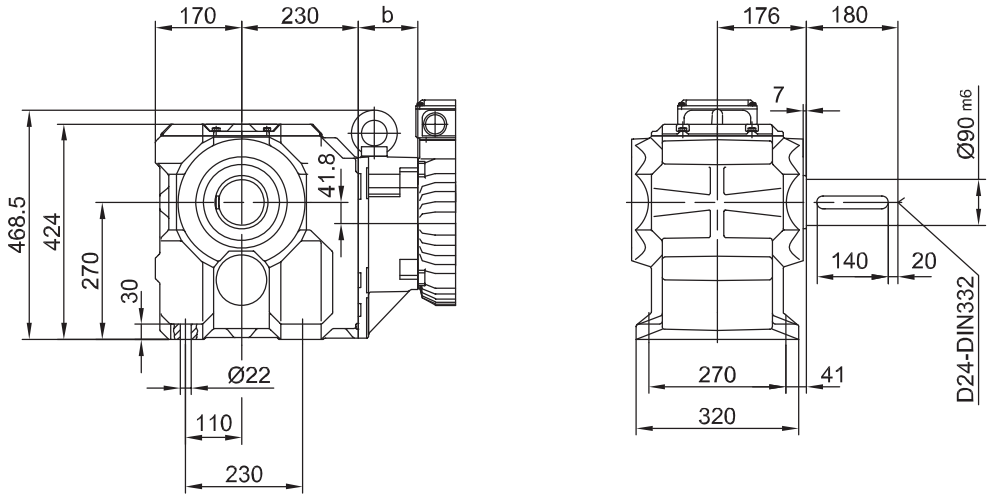
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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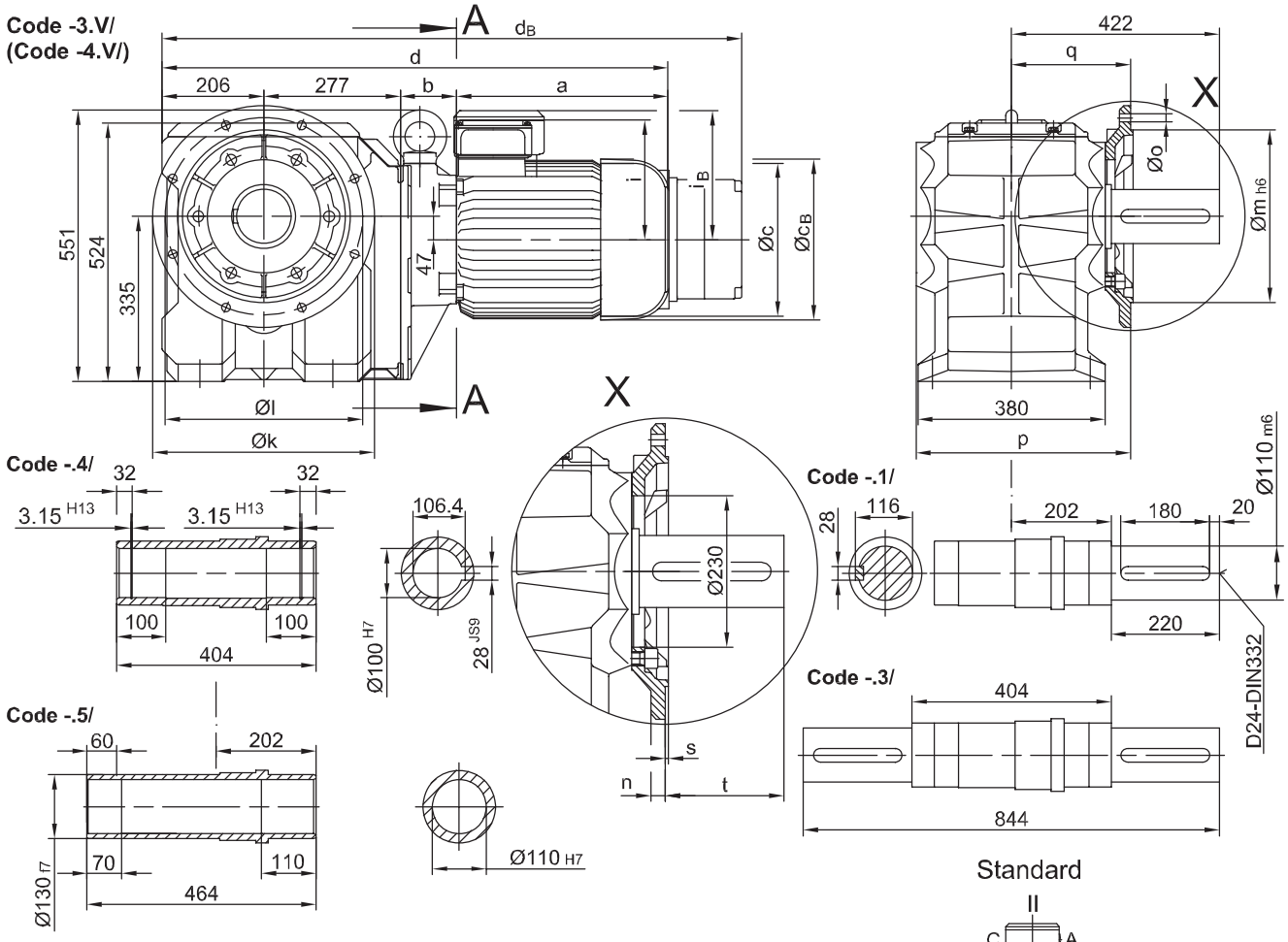
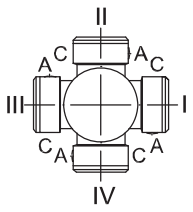
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK80 - BK80Z

Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant



Standard



Flanschmasse/ Flange dimensions/ cotes de la bride

BK80(Z)	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	450	400	350	22	17.5	439	245	5	177
gross/ big/ grande -4.V/	550	500	450	22	17.5	444	250	5	172

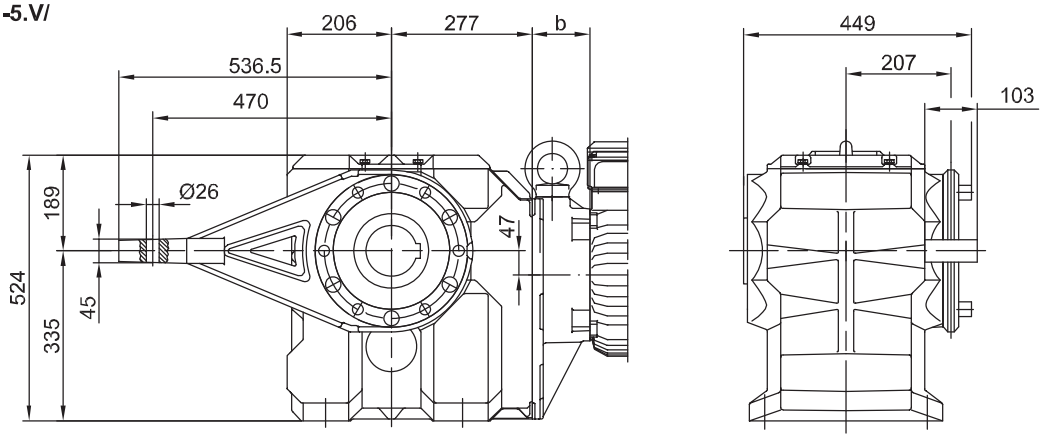
Typ/ Type/ Type	a	b	c	d	i	Ausführung mit Bremse/ with brake/ avec frein										
						i_B	E008		Z008		Z015		E075			
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B		
BK80Z-../D09..	251	252.5	181	986	124	124	192	1066	192	1080	192	1086				
BK80-../D11..	319	87	228	889	181	181					231	992	231	1022		
BK80Z-../D11..	319	259	228	1061	181	181					231	1164	231	1194		
Typ/ Type/ Type	a	b	c	d	i	i_B	E075		Z075		Z100		E500			
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B		
BK80-../D13..	393	100	266	976	217	217	277	1111	277	1130						
BK80Z-../D13..	393	272	266	1148	217	217	277	1283	277	1302						
BK80-../D16..	429	114	322	1026	243	243	326	1159	326	1178	326	1198				
BK80Z-../D16..	429	286	322	1198	243	243	326	1331	326	1350	326	1370				
BK80-../D18..	528	136	368	1147	288	288					366	1327	366	1308		
BK80-..-C-DNF22S	612	281	390	1376	314											
BK80-..-C-DNF22M	652	281	390	1416	314											

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK80 - BK80Z

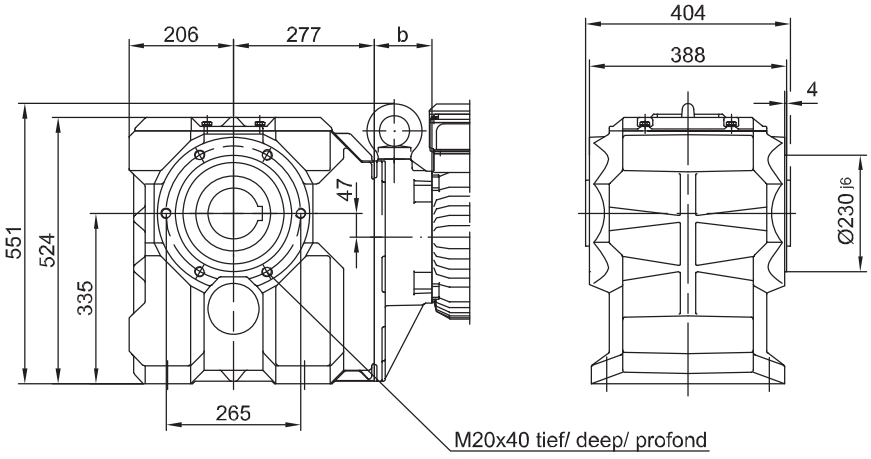
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



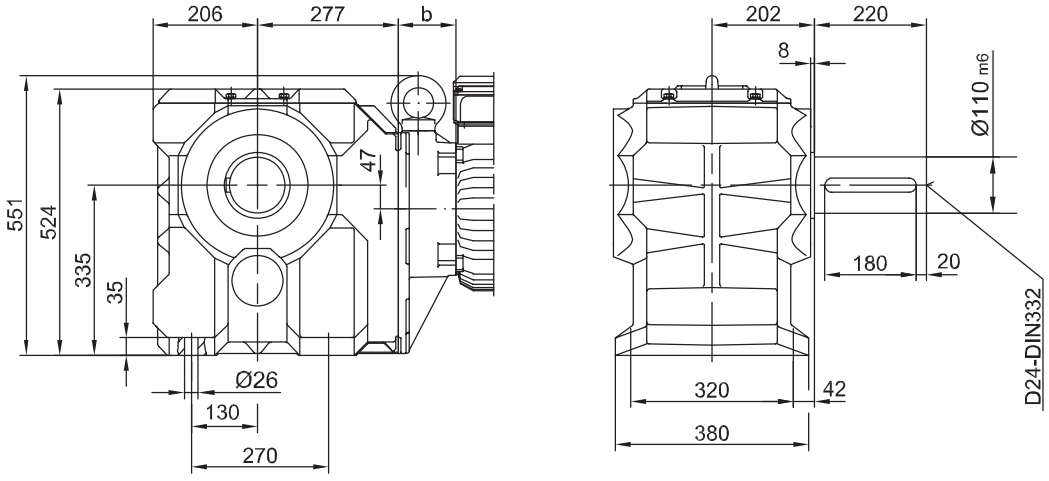
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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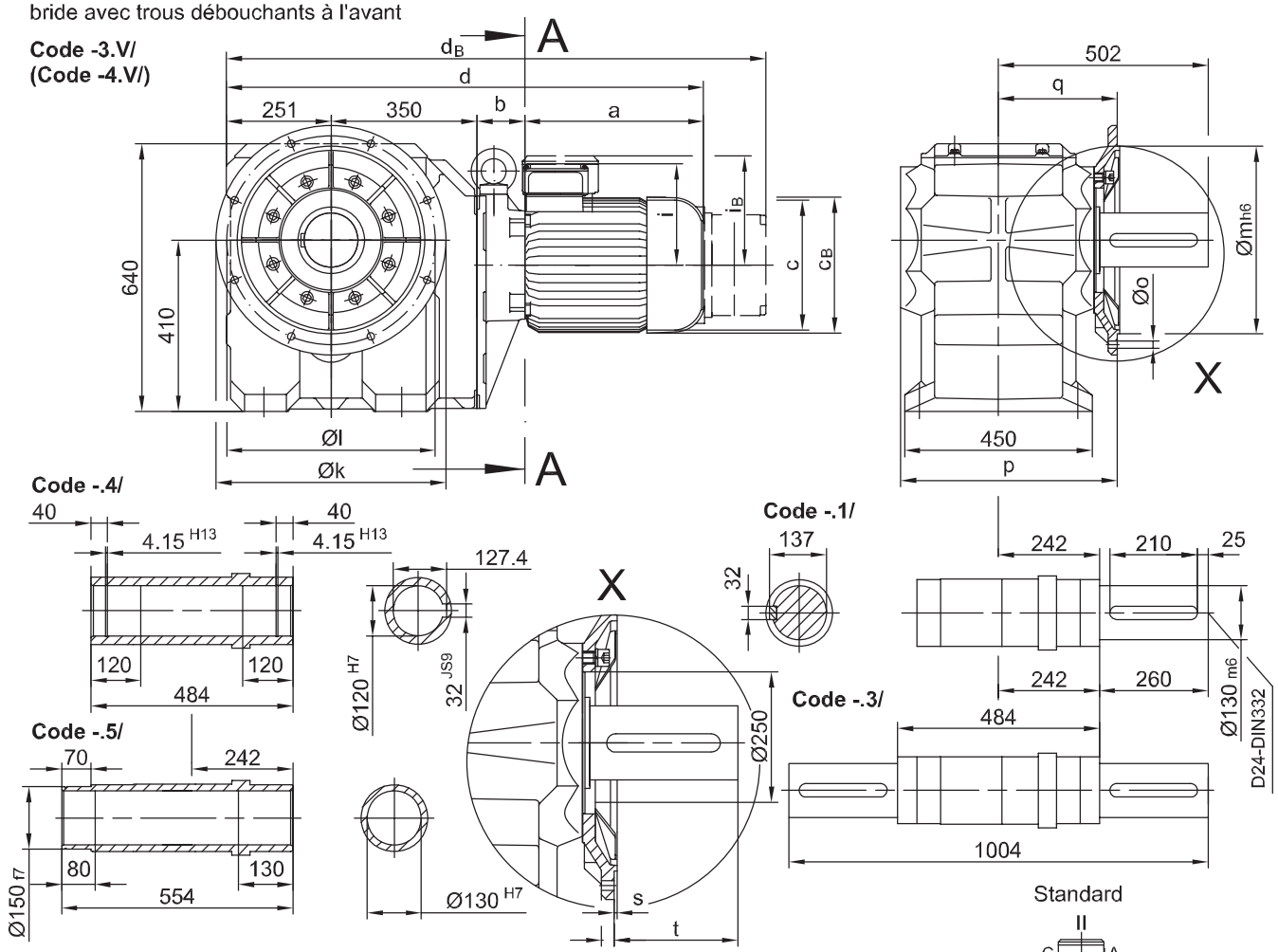
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK90 - BK90Z

Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant



Flanschmasse/ Flange dimensions/ cotes de la bride

BK90(Z)	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	550	500	450	22	17.5	519	285	5	217
gross/ big/ grande -4.V/	660	600	550	25	22	513	279	6	223

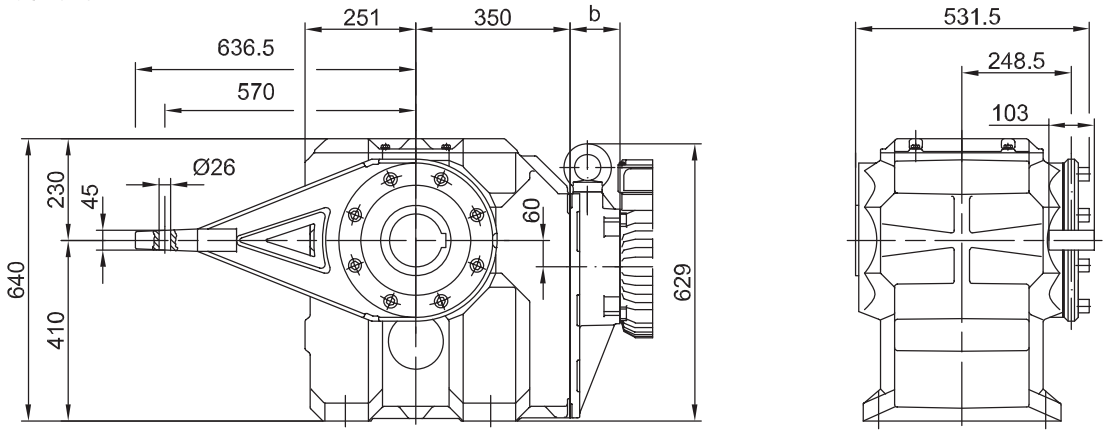
Typ/ Type/ Type	a	b	c	d	i	i_B	Ausführung mit Bremse/ with brake/ avec frein									
							E008		Z008		Z015		E075			
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B		
BK90Z-../D09..	251	267	181	1119	124	124	192	1198	192	1212	192	1218				
BK90Z-../D11..	319	273.5	228	1194	181	181					231	1296	231	1326		
Typ/ Type/ Type	a	b	c	d	i	i_B	E075		Z075		Z100		E500			
							c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B		
BK90-../D13..	393	100	266	1094	217	217	277	1229	277	1248						
BK90Z-../D13..	393	286.5	266	1281	217	217	277	1415	277	1435						
BK90-../D16..	429	114	322	1144	243	243	326	1178	326	1296	326	1316				
BK90Z-../D16..	429	300.5	322	1331	243	243	326	1463	326	1483	326	1502				
BK90-../D18..	528	136	368	1265	288	288					366	1445	366	1426		
BK90Z-../D18..	528	322.5	368	1451	288	288					366	1632	366	1622		
BK90-..-C-DNF22S	612	281	390	1494	314											
BK90-..-C-DNF22M	652	281	390	1534	314											

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK90 - BK90Z

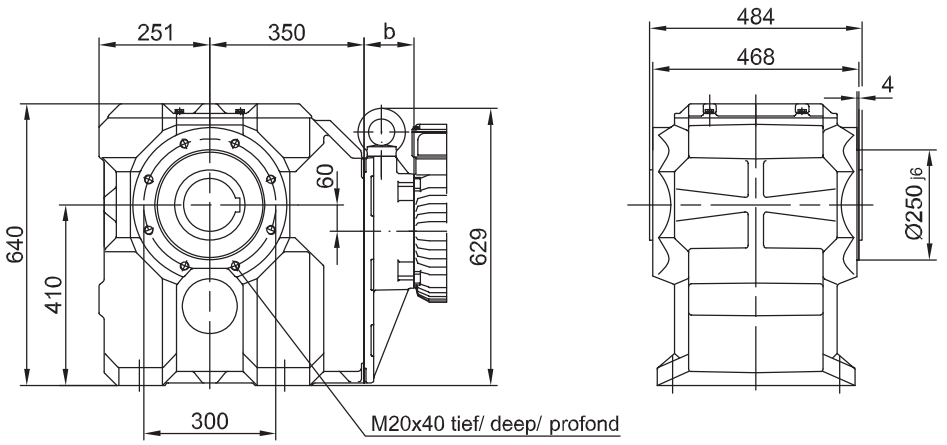
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



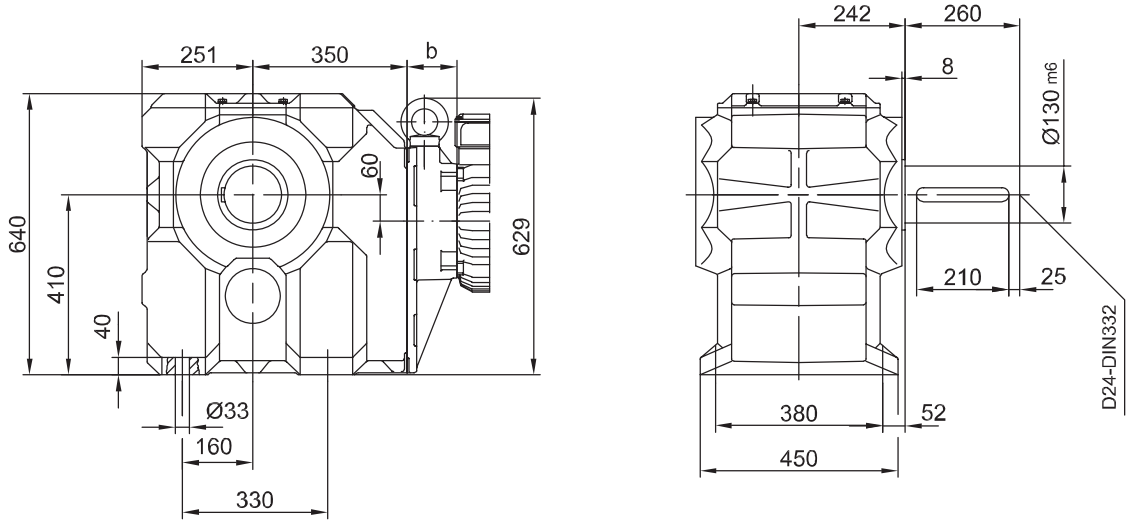
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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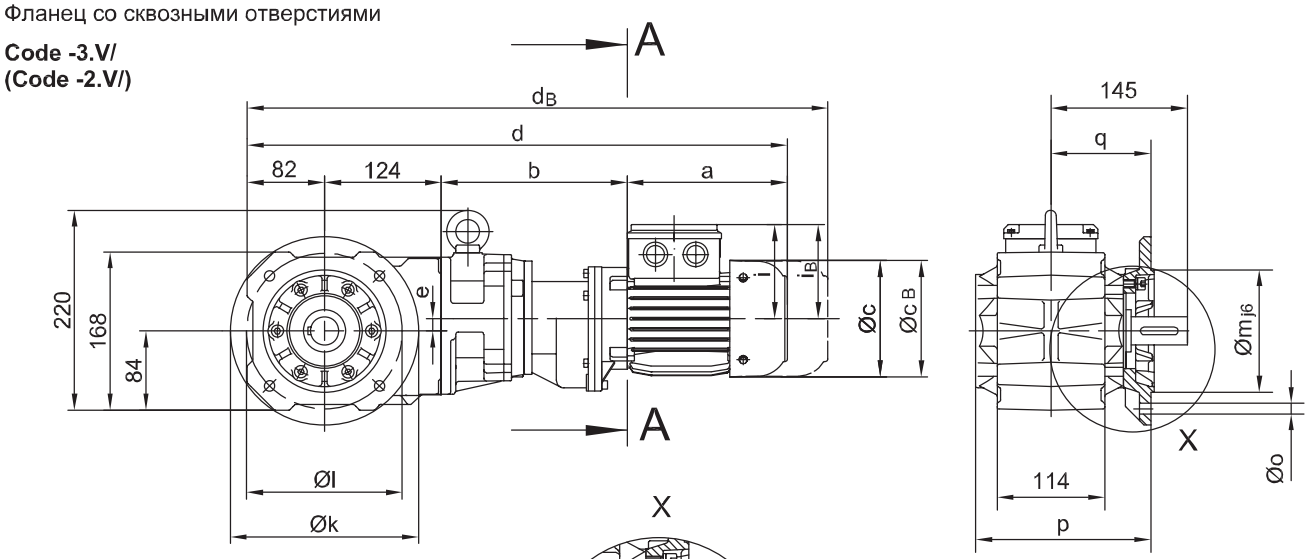
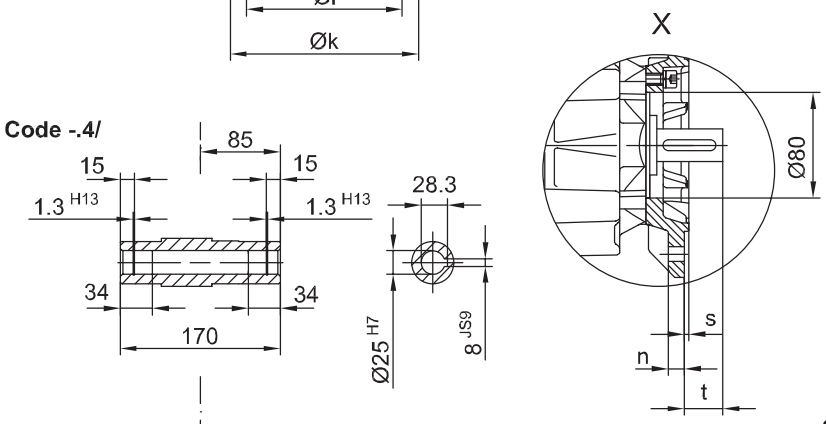
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

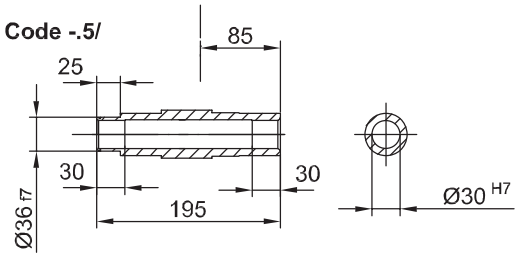
BK10G06

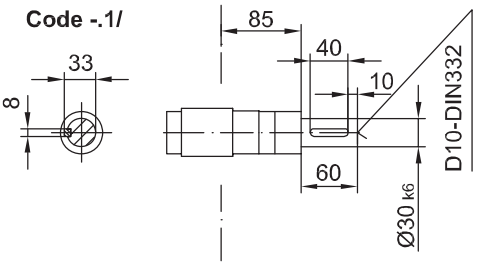
Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
Фланец со сквозными отверстиями

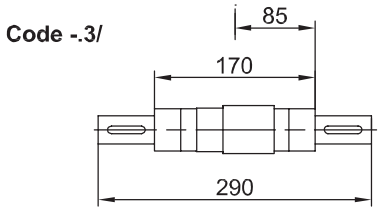
Code -3.V/
(Code -2.V/)

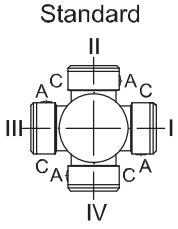












A-A

Flanschmasse/ Flange dimensions/ Размеры фланца

BK10G..	k	l	m	n	o	p	q	s	t
Standard/ стандартный -3.V/	200	165	130	12	11	186.5	106	3.5	39
klein/ small/ малый -2.V/	160	130	110	10	9	179.5	99	3.5	46

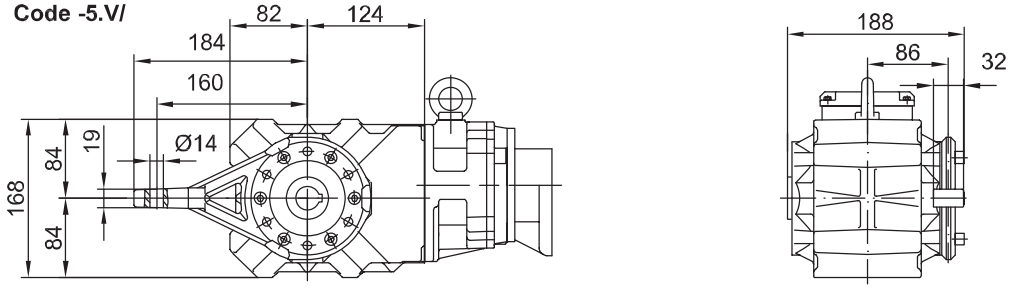
Typ/ Type/ Тип	a	b	c	d	e	i	Ausführung mit Bremse/ with brake/ Исполнение с тормозом									
							i_B	E003		E004		E008				
								c_B	d_B	c_B	d_B	c_B	d_B			
BK10G06-../D04..	143	195	111	544	13	90	90	111	587							
BK10G06-../D05..	170	197	123	574	13	100	100	123	616							
BK10G06-../D06..	170	197	123	574	13	100	100	123	616							
BK10G06-../D07..	190	197	123	594	13	100	100	123	636	123	636					
BK10G06-../D08..	200	241	156	647	13	115	115					166	722			

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK10G06

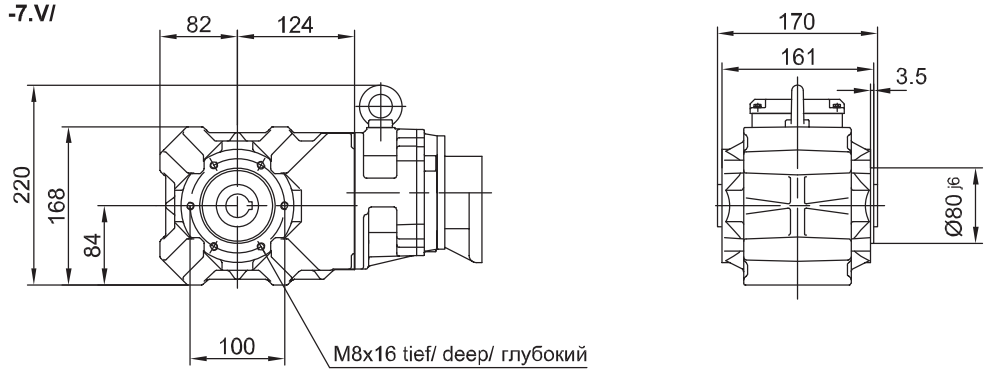
Drehmomentstütze vorne/ torque arm at front/ с моментный рычаг

Code -5.V/



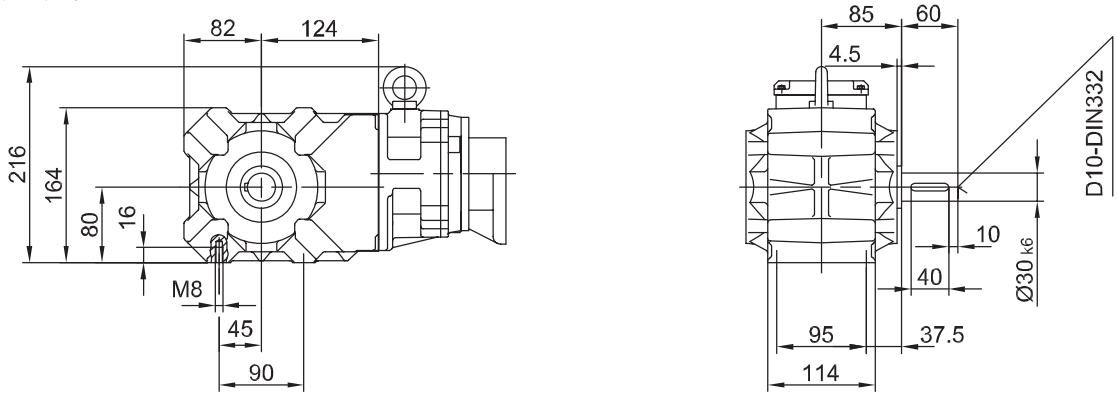
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ Фланец с резьбовыми отверстиями, впереди

Code -7.V/



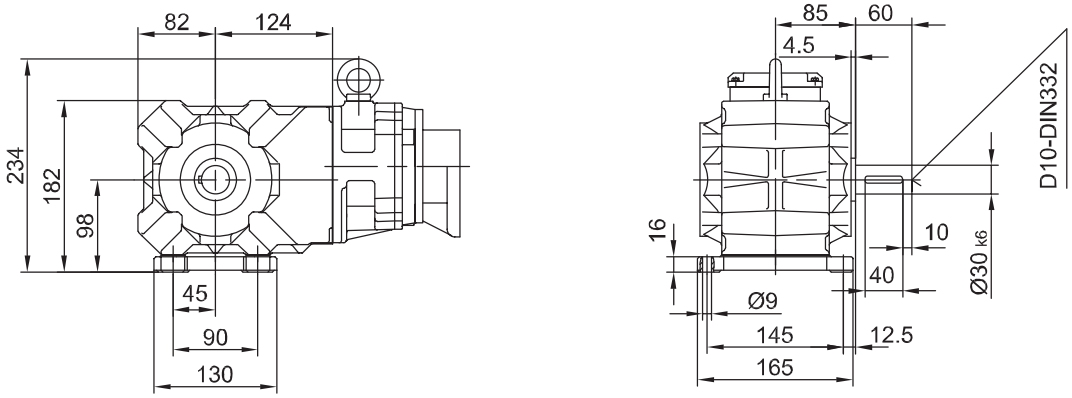
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ Лапа с резьбовыми отверстиями, внизу

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ Лапа со сквозными отверстиями, внизу

Code -1.U/



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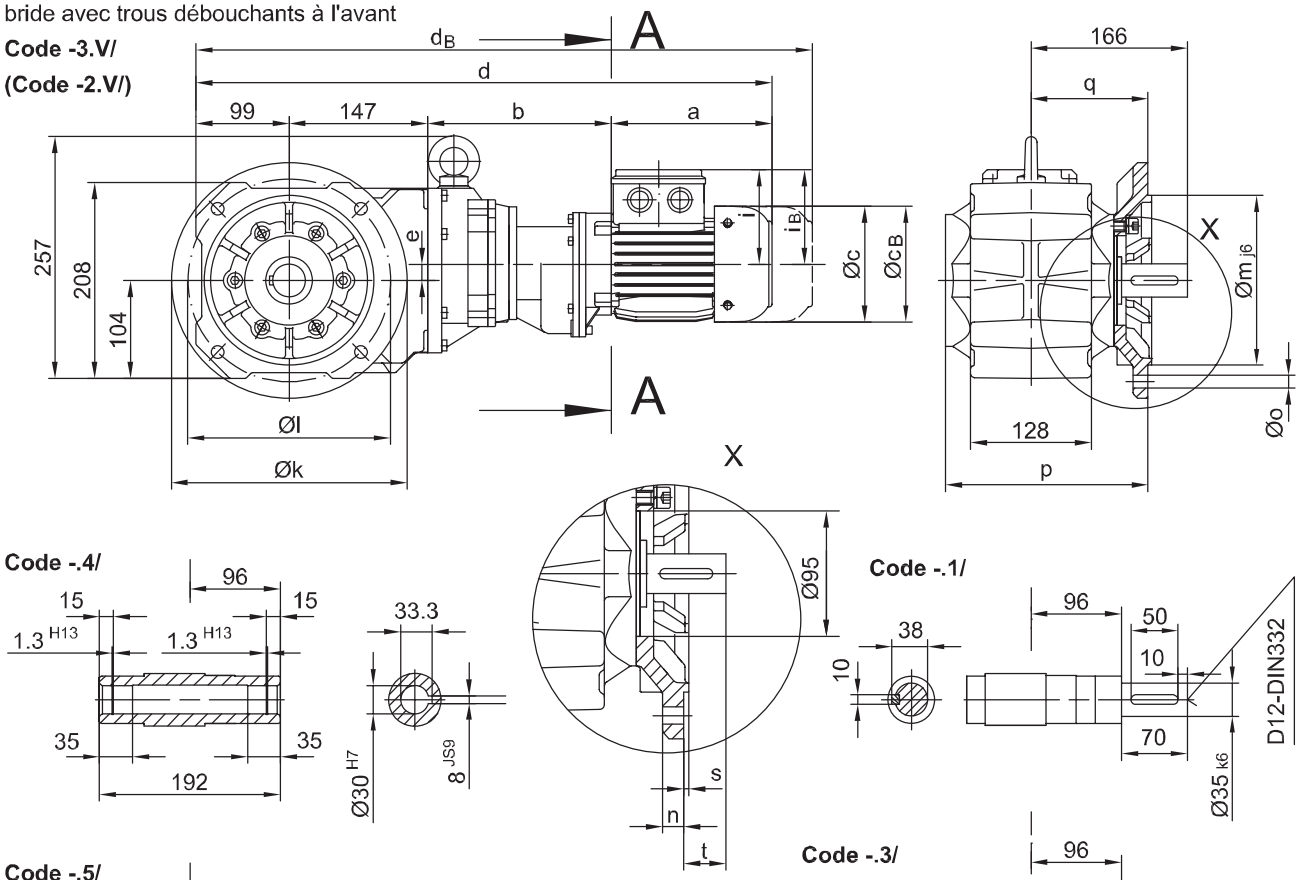
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK20G06

Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

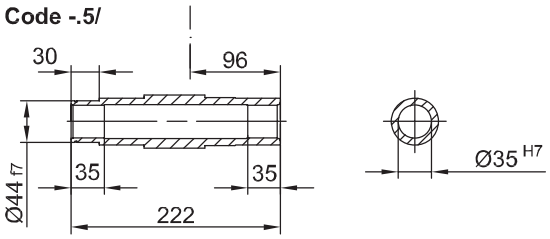
Code -3.V/
(Code -2.V/)



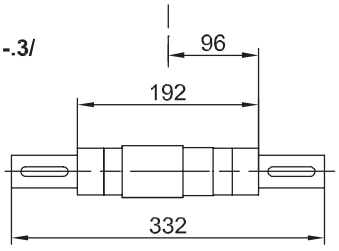
Code -.4/

Code -.1/

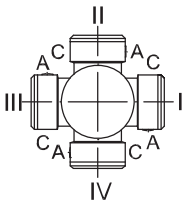
Code -.5/



Code -.3/



Standard



A-A

Flanschmasse/ Flange dimensions/ cotes de la bride

BK20G..	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	250	215	180	16	13.5	215.5	124	4	42
klein/ small/ petit-2.V/	200	165	130	12	11	206.5	115	3.5	51

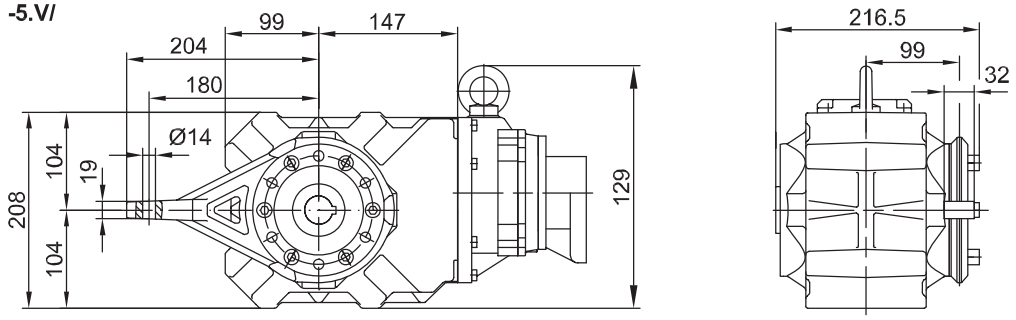
Typ/ Type/ Type	a	b	c	d	e	i	Ausführung mit Bremse/ with brake/ avec frein									
							i_B	E003		E004		E008				
								c_B	d_B	c_B	d_B	c_B	d_B			
BK20G06-../D04..	143	193	111	582	17	90	90	111	625							
BK20G06-../D05..	170	195	123	612	17	100	100	123	654							
BK20G06-../D06..	170	195	123	612	17	100	100	123	654							
BK20G06-../D07..	190	195	123	632	17	100	100	123	674	123	674					
BK20G06-../D08..	200	239	156	685	17	115	115					166	760			

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK20G06

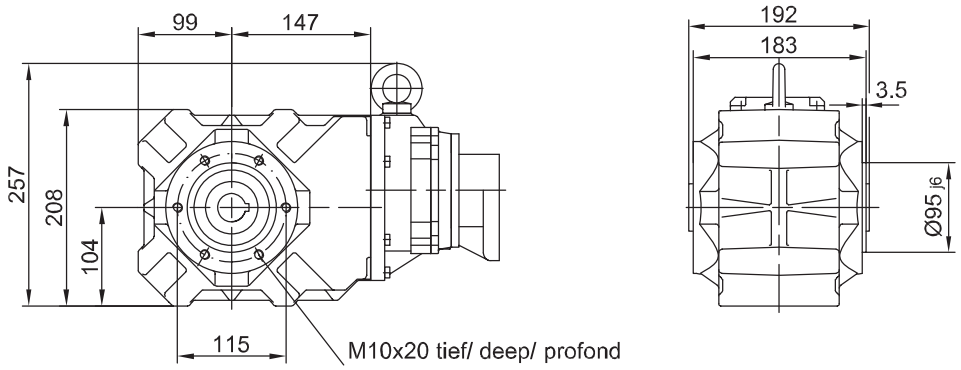
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



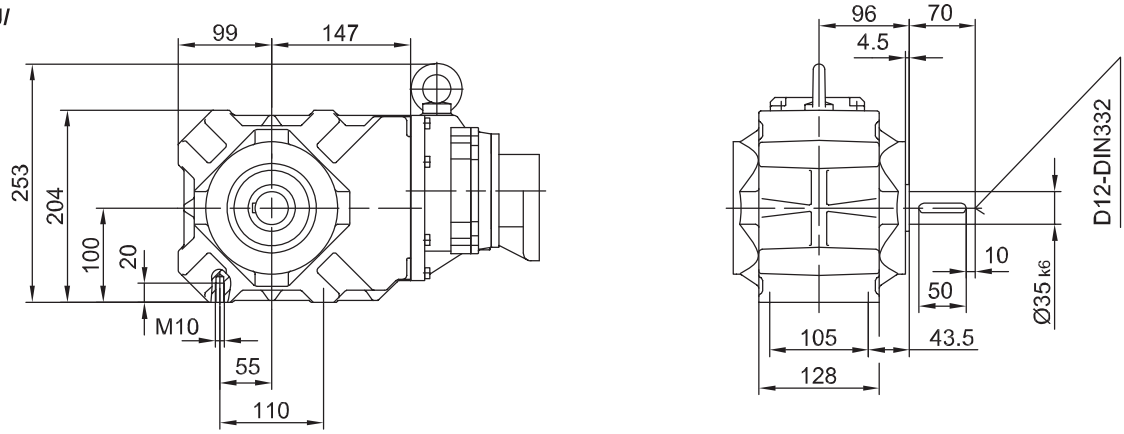
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



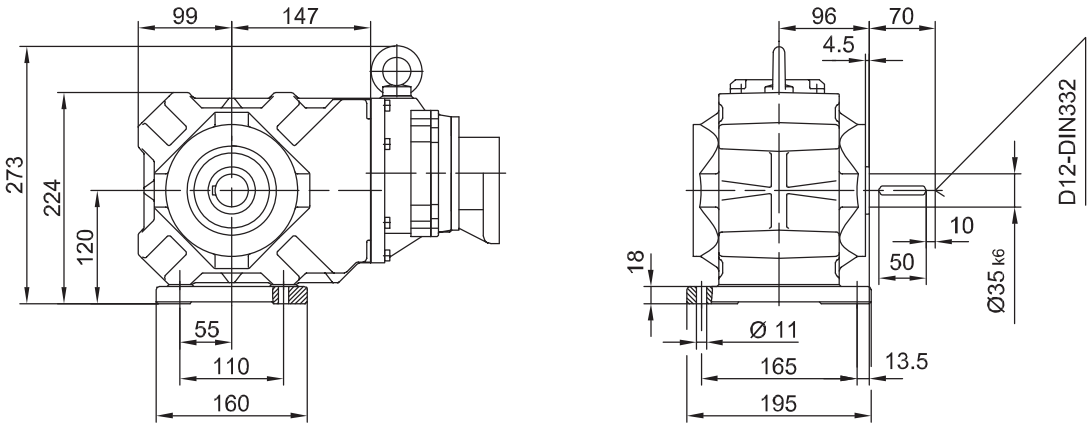
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ fixation à pied avec trous taraudés en bas

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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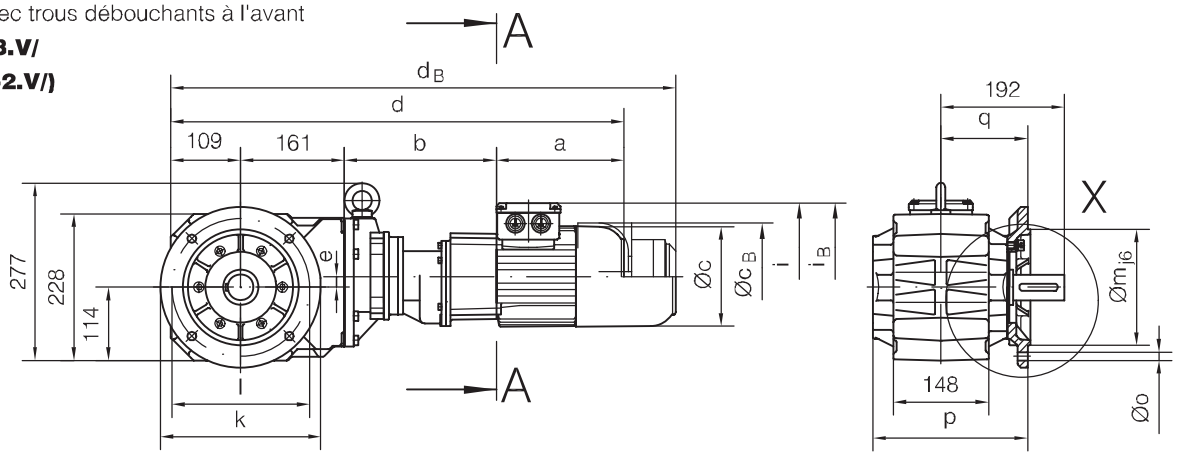
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

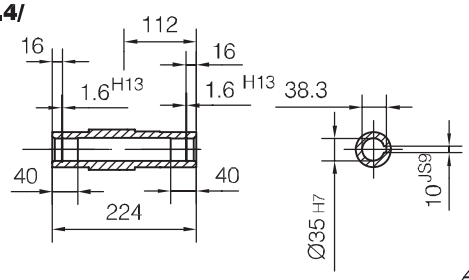
BK30G06

Flansch mit Durchgangslöchern vorne / flange with clearance holes at front / bride avec trous débouchants à l'avant

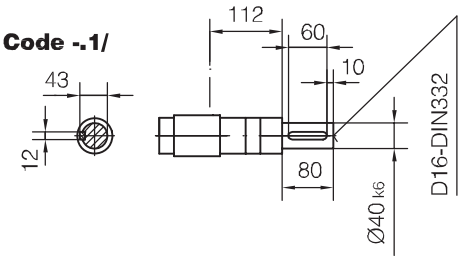
Code -3.V/
(Code -2.V/)



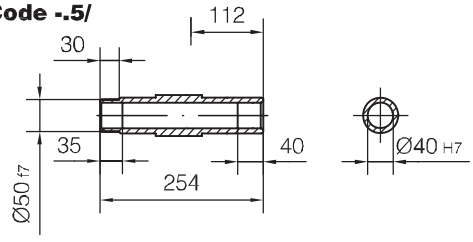
Code -.4/

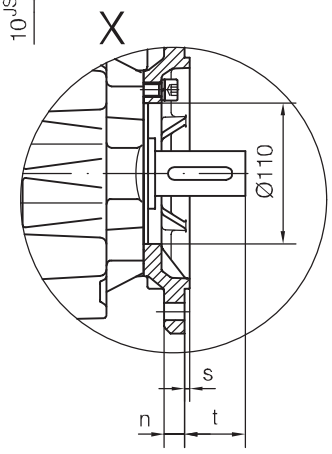


Code -.1/

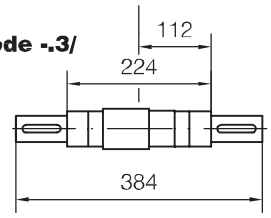


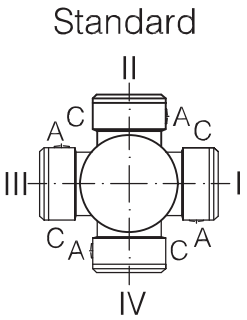
Code -.5/





Code -.3/





A-A

Flanschmaße / Flange dimensions / cotes de la bride

BK30G..	k	l	m	n	o	p	q	s	t
Standard -3.V/	Ø250	Ø215	Ø180	16	Ø13.5	242	135	4	57
klein / small / petit-2.V /	Ø200	Ø165	Ø130	12	Ø11	239	132	3.5	60

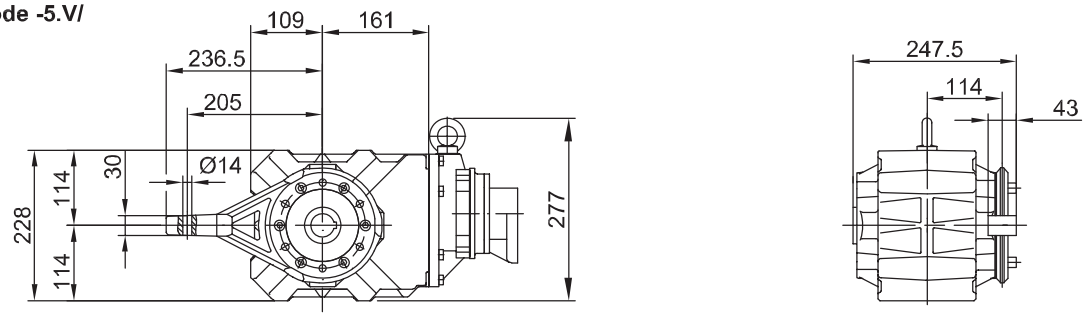
Typ / Type / Type	a	b	c	d	e	i	Ausführung mit Bremse / with brake / avec frein										
							i_B	E003		E004		E008					
								c_B	d_B	c_B	d_B	c_B	d_B				
BK30G06-../D04..	143	191	111	604	17	90	90	111	647								
BK30G06-../D05..	170	193	123	634	17	100	100	123	676								
BK30G06-../D06..	170	193	123	634	17	100	100	123	676								
BK30G06-../D07..	190	193	123	654	17	100	100	123	696	123	696						
BK30G06-../D08..	200	237	156	707	17	115	115					166	782				

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK30G06

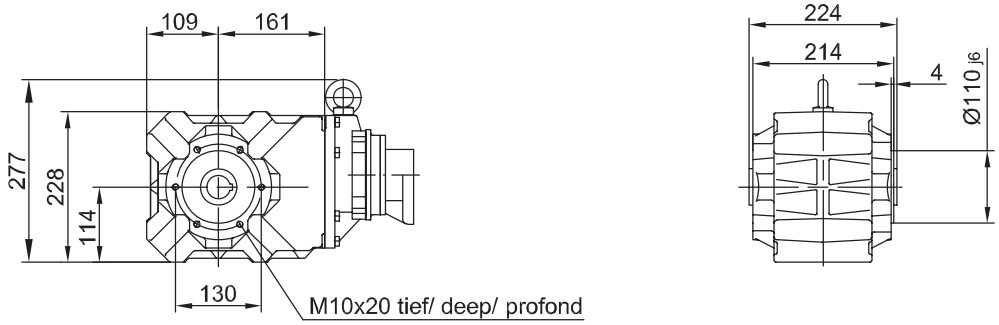
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



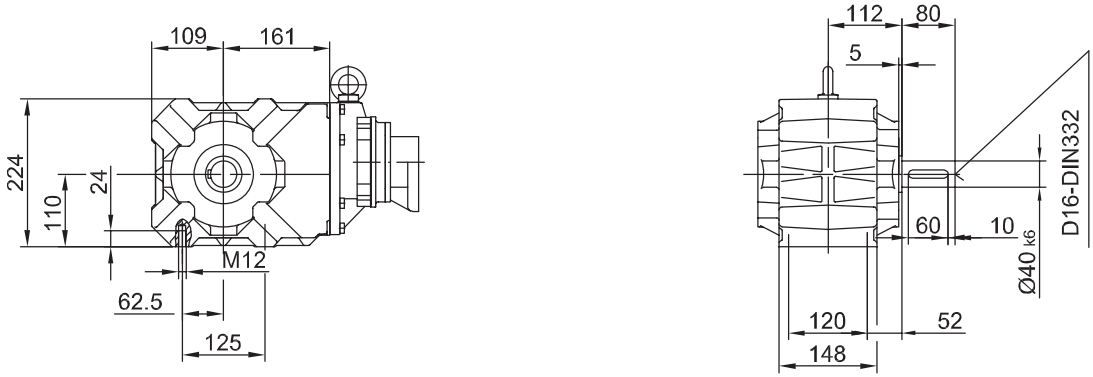
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



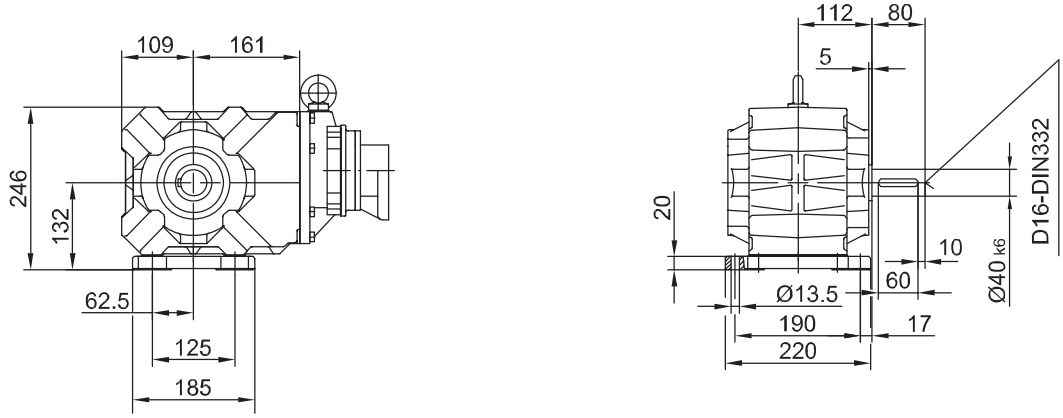
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ fixation à pied avec trous taraudés en bas

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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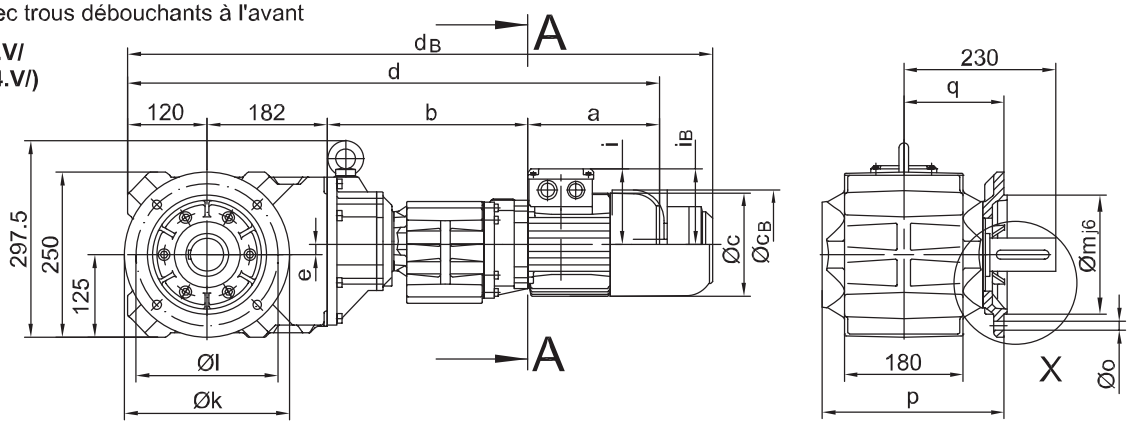
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

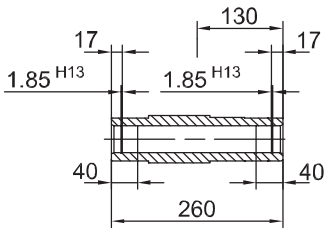
BK40G10

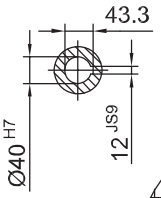
Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

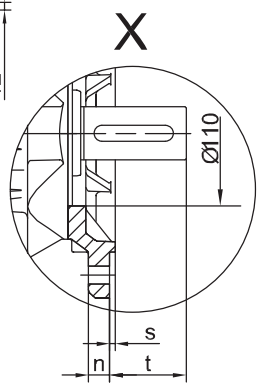
Code -3.V/
(Code -4.V/)



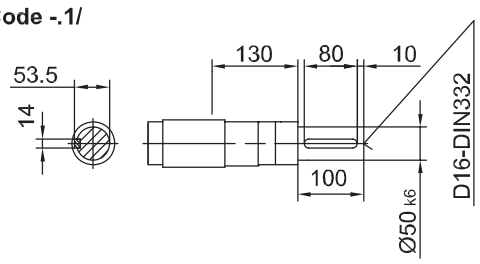
Code -.4/



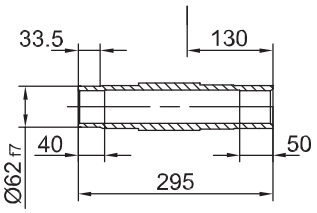


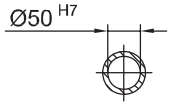


Code -.1/

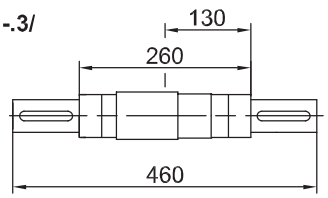


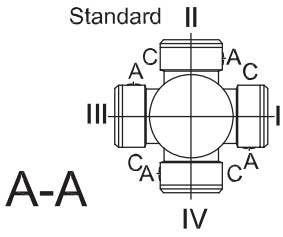
Code -.5/





Code -.3/





Flanschmasse/ Flange dimensions/ cotes de la bride

BK40G..	k	l	m	n	o	p	q	s	t
Standard/ -3.V /	250	215	180	16	13.5	276	152	4	78
gross/ big/ grande -4.V /	300	265	230	20	13.5	282	158	4	72

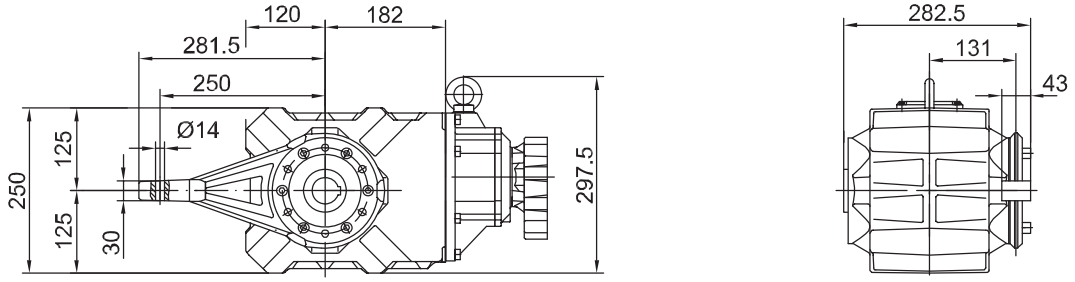
Typ/ Type/ Type	a	b	c	d	e	i	Ausführung mit Bremse/ with brake/ avec frein											
							i_B	E003		E004		E008		Z008		Z015		
								c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B		
BK40G10-../D05..	170	300	123	773	15.5	100	100	123	815										
BK40G10-../D06..	170	300	123	773	15.5	100	100	123	815										
BK40G10-../D07..	190	300	123	793	15.5	100	100	123	835	123	835								
BK40G10-../D08..	200	304	156	806	15.5	115	115					166	881						
BK40G10-../D09..	251	318.5	181	872	15.5	124	124					192	951	192	965	192	971		

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK40G10

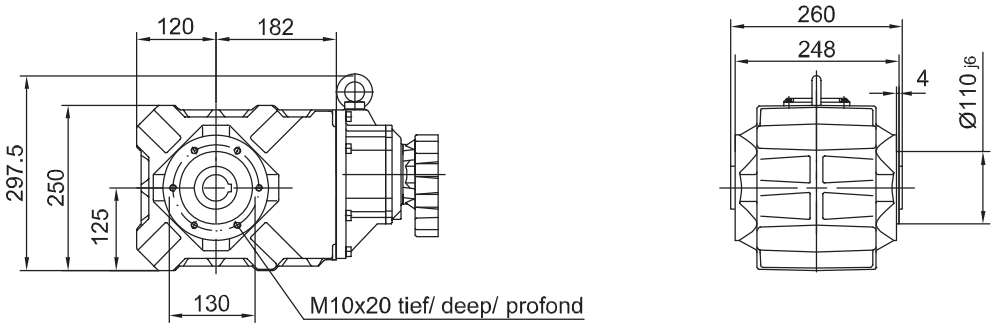
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



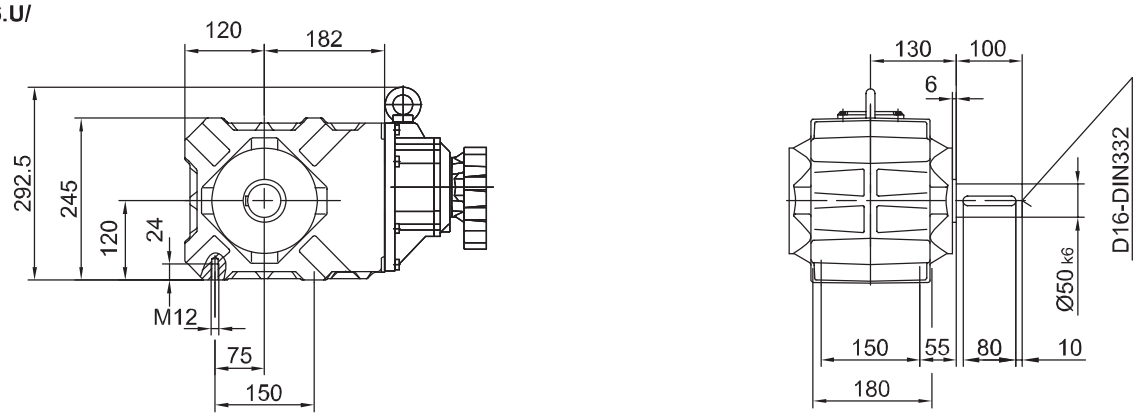
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



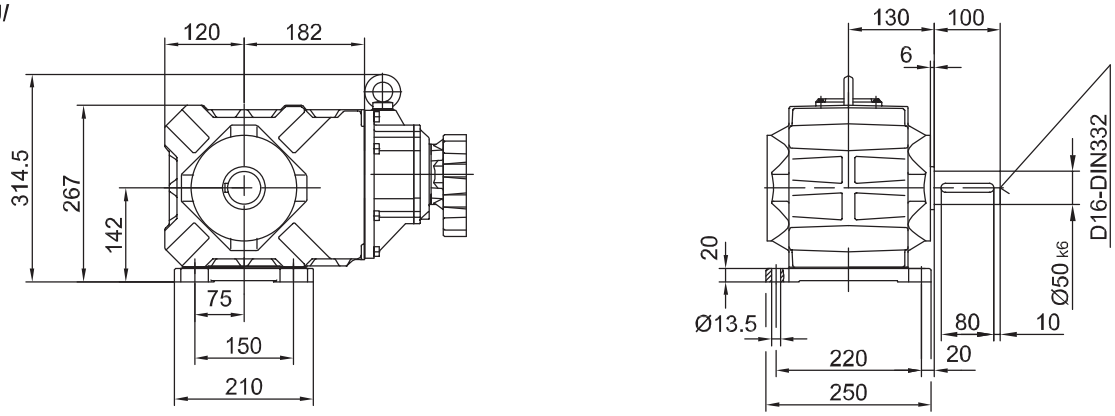
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ fixation à pied avec trous taraudés en bas

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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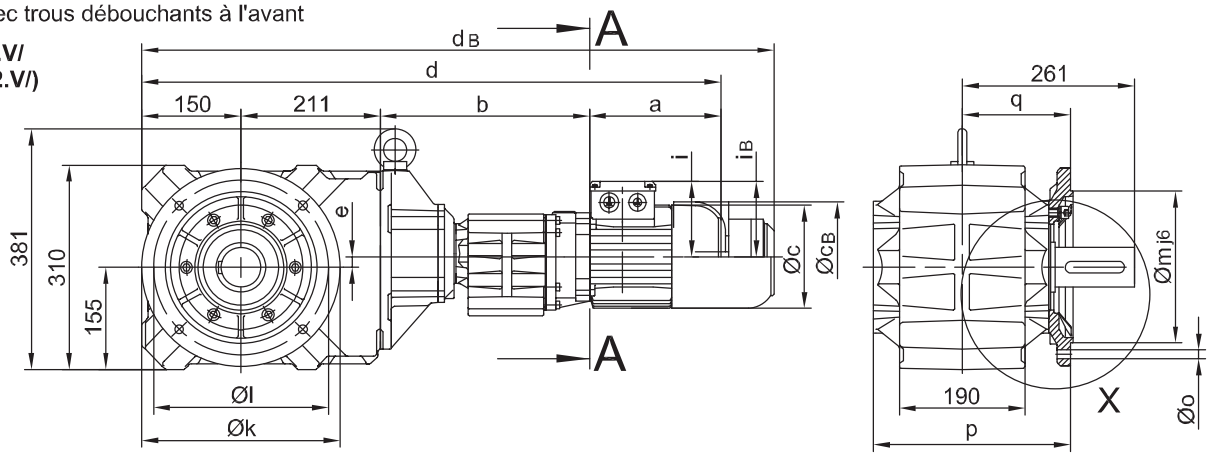
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

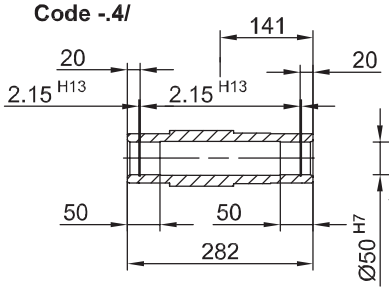
BK50G10

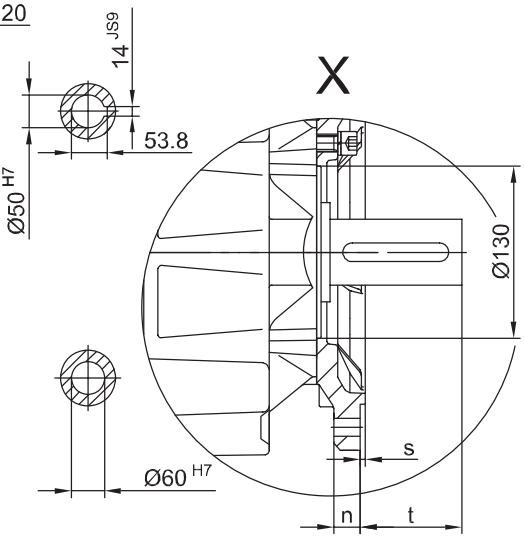
Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

Code -3.V/
(Code -2.V/)

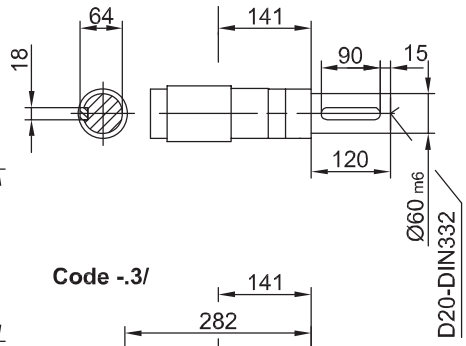


Code -.4/

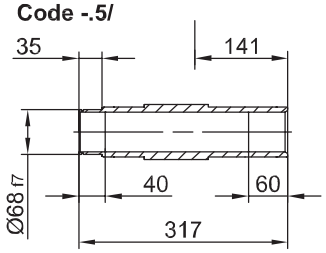




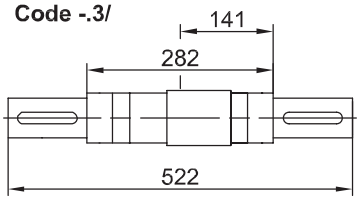
Code -.1/



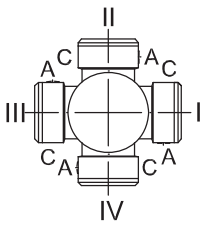
Code -.5/



Code -.3/



Standard



A-A

Flanschmasse/ Flange dimensions/ cotes de la bride

BK50G..	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	300	265	230	20	13.5	298.5	164	4	97
klein/ small/ petit-2.V/	250	215	180	16	13.5	296	161	4	100

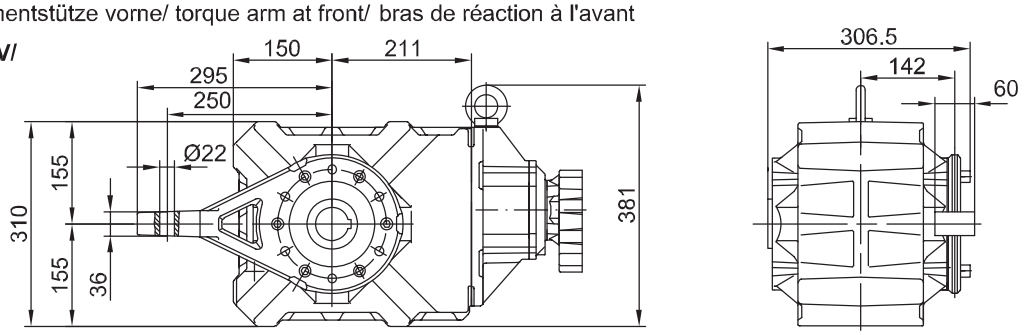
Typ/ Type/ Type	a	b	c	d	e	i	i_B	Ausführung mit Bremse/ with brake/ avec frein											
								E003		E004		E008		Z008		Z015			
								c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B		
BK50G10-../D05..	170	313	123	845	16	100	100	123	887										
BK50G10-../D06..	170	313	123	845	16	100	100	123	887										
BK50G10-../D07..	190	313	123	865	16	100	100	123	907	123	907								
BK50G10-../D08..	200	317	156	878	16	115	115					166	953						
BK50G10-../D09..	251	331.5	181	943	16	124	124					192	1023	192	1037	192	1043		

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK50G10

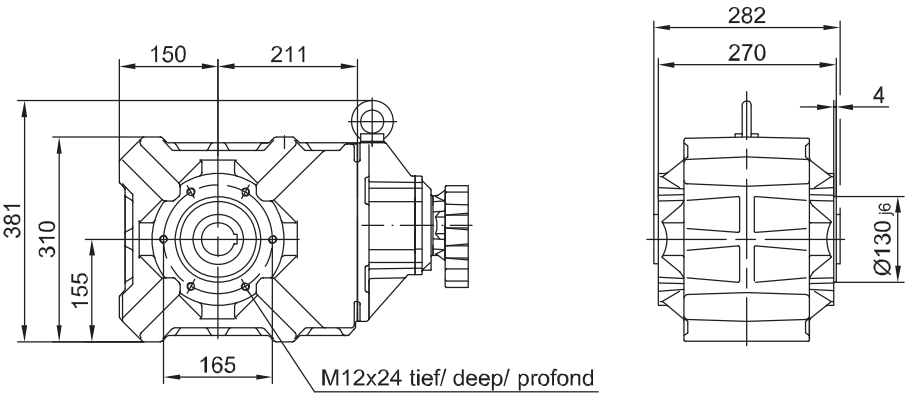
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



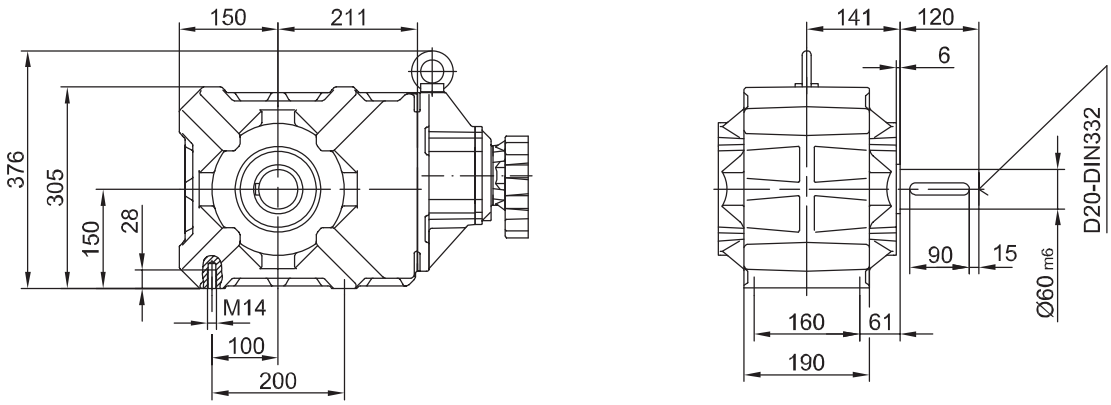
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/

Code -7.V/



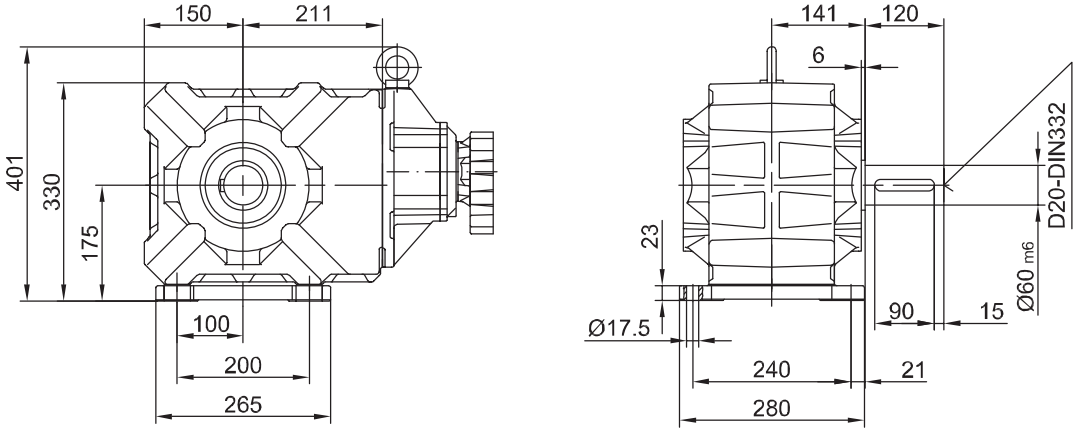
Fuss mit Gewindelöchern unten/ foot with tapped holes at bottom/ fixation à pied avec trous débouchants en bas

Code -6.U/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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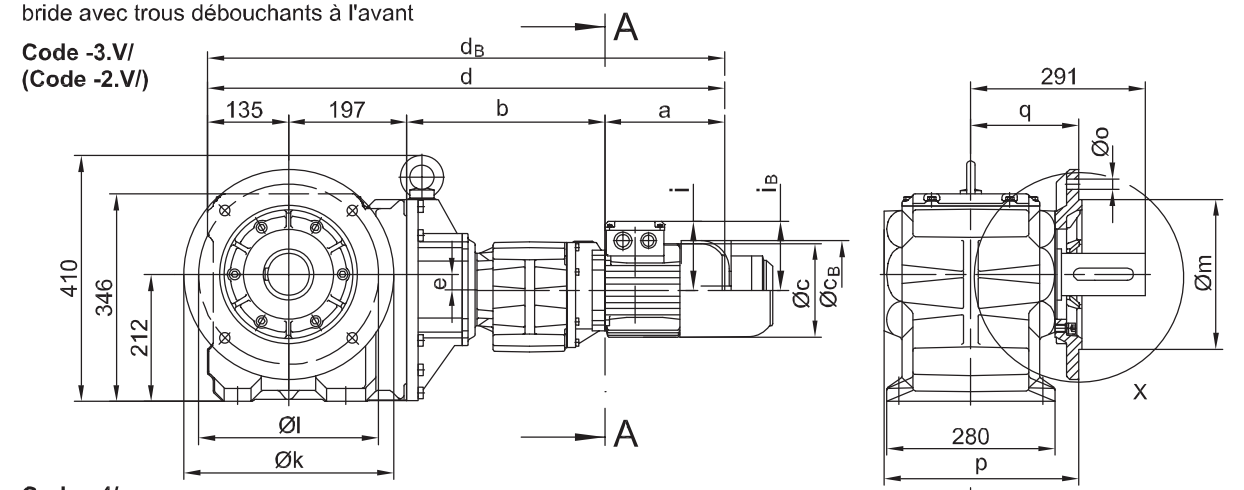
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

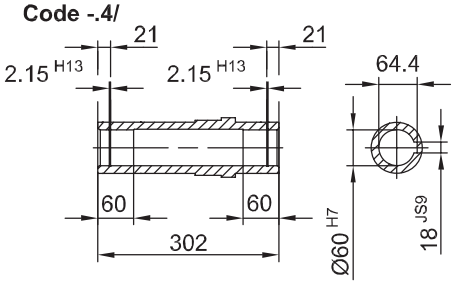
BK60G20

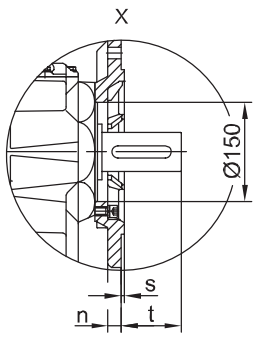
Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

Code -3.V/
(Code -2.V/)

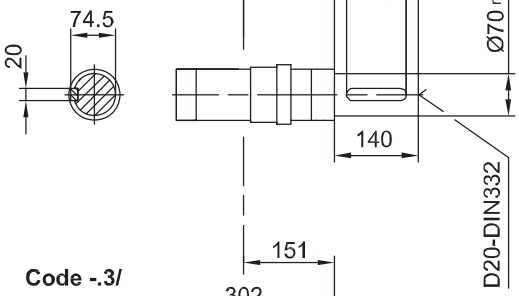


Code -.4/

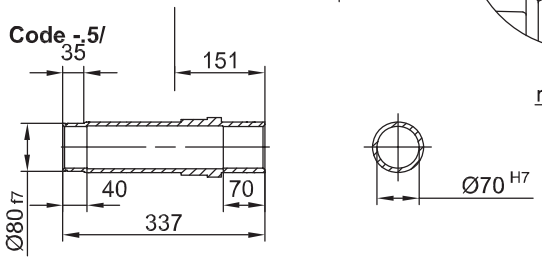




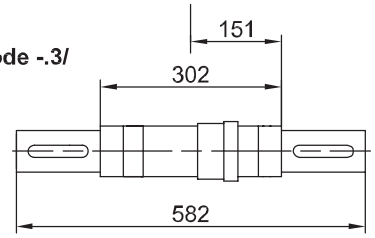
Code -.1/



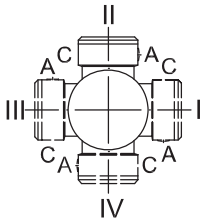
Code -.5/



Code -.3/



Standard



A-A

Flanschmasse/ Flange dimensions/ cotes de la bride

BK60G..	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	350	300	250 h6	20	17.5	324	180	5	111
klein/ small/ petit-2.V/	300	265	230 j6	20	13.5	332	188	4	103

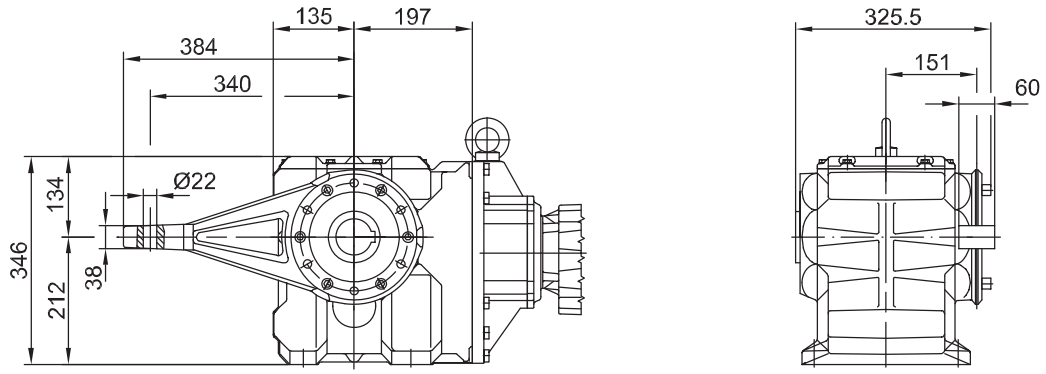
Typ/ Type/ Type	a	b	c	d	e	i	Ausführung mit Bremse/ with brake/ avec frein											
							i_B	E003		E004		E008		Z008		Z015		
								c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	
BK60G20-../D05..	170	326	123	829	27	100	100	123	871									
BK60G20-../D06..	170	326	123	829	27	100	100	123	871									
BK60G20-../D07..	190	326	123	849	27	100	100	123	891	123	891							
BK60G20-../D08..	200	330	156	862	27	115	115					166	937					
BK60G20-../D09..	251	344.5	181	927	27	124	124					192	1007	192	1021	192	1027	

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK60G20

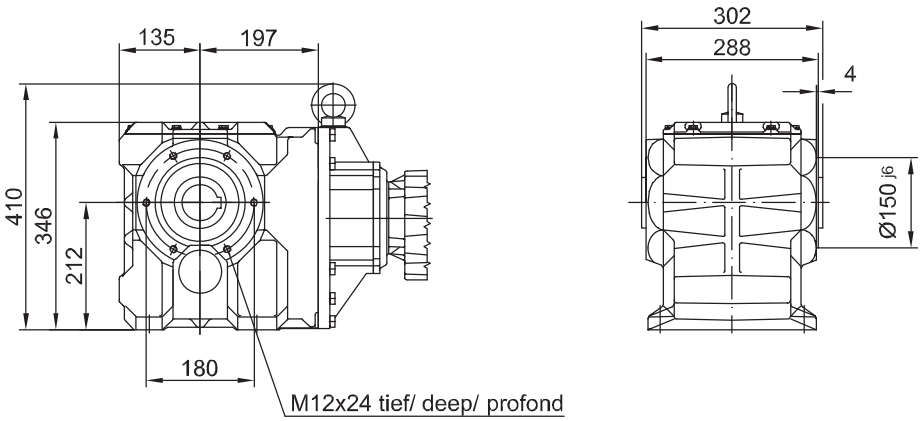
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



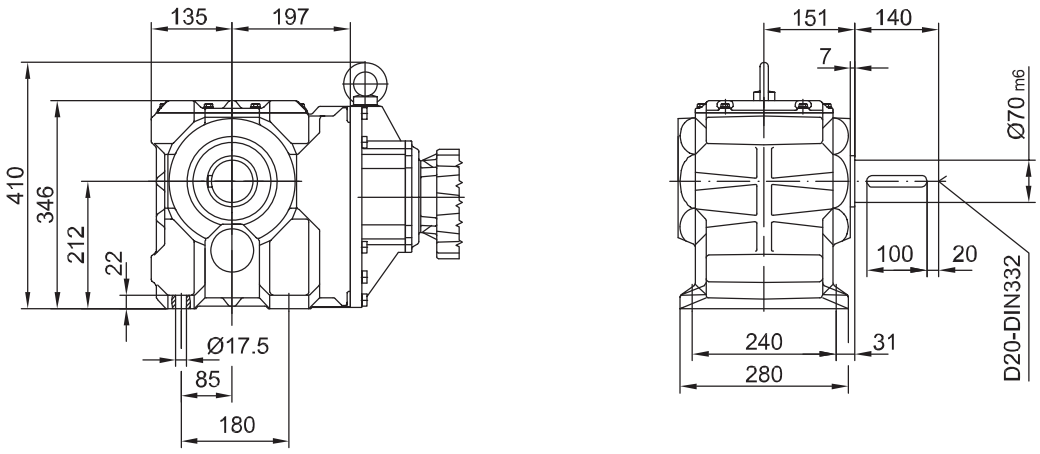
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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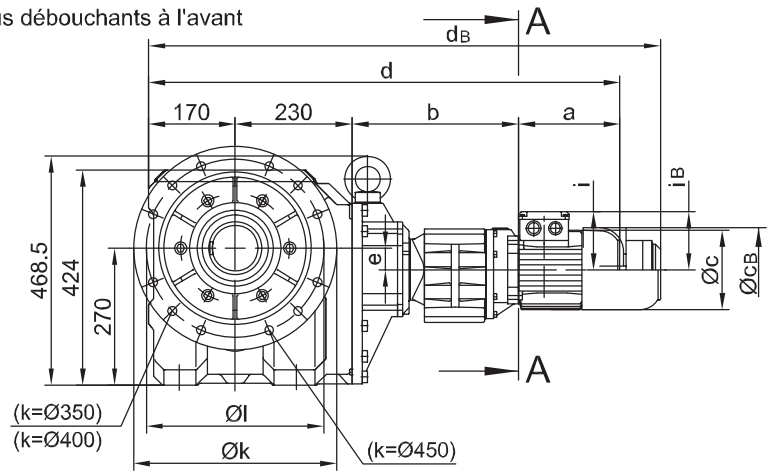
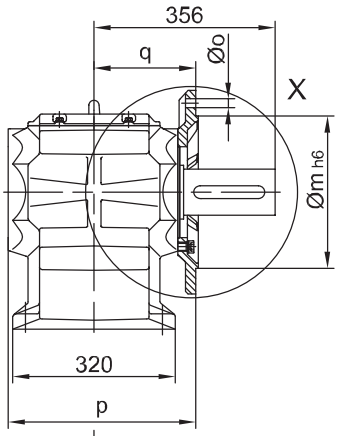
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK70G20

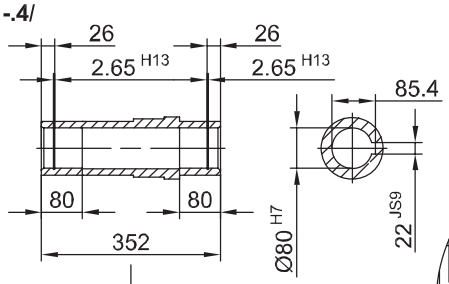
Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant

Code -3.V/
(Code -2.V/)
(Code -4.V/)

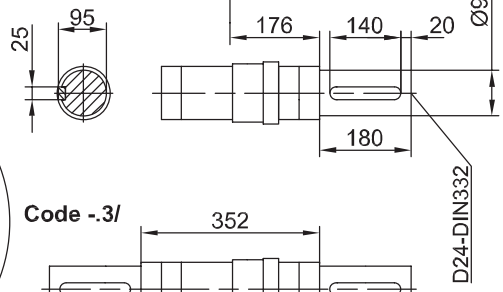


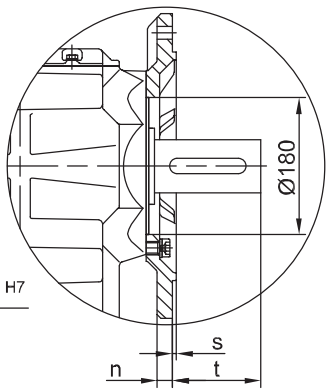


Code -.4/

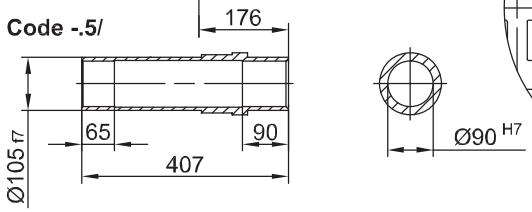


Code -.1/

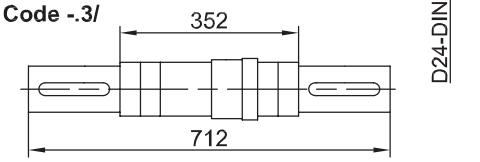




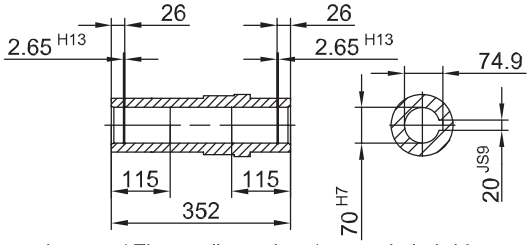
Code -.5/



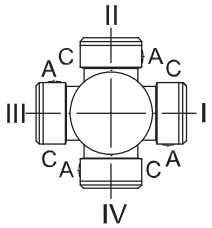
Code -.3/



Code -.4/K70



Standard



A-A

Flanschmasse/ Flange dimensions/ cotes de la bride

BK70G..	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	400	350	300	20	4 x 17.5	369	200	5	156
klein/ small/ petit-2.V/	350	300	250	20	4 x 17.5	369	200	5	156
gross/ big/ grande -4.V/	450	400	350	22	8 x 17.5	379	210	5	146

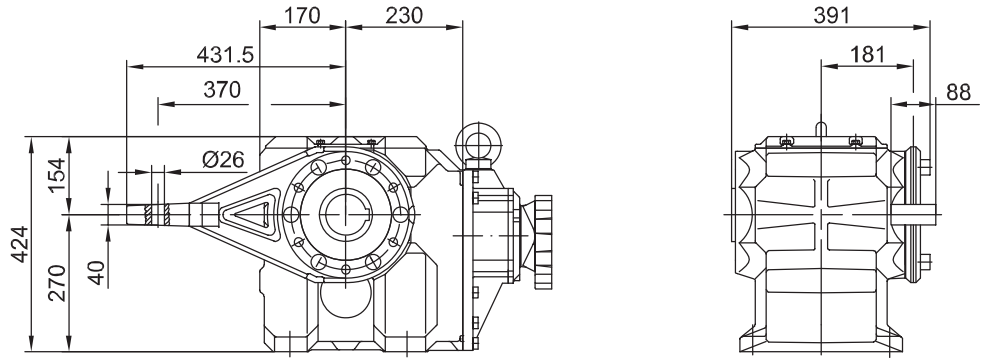
Typ/ Type/ Type	a	b	c	d	e	i	i_B	Ausführung mit Bremse/ with brake/ avec frein											
								E003		E004		E008		Z008		Z015			
								c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B		
BK70G20-../D05..	170	324	123	895	43	100	100	123	937										
BK70G20-../D06..	170	324	123	895	43	100	100	123	937										
BK70G20-../D07..	190	324	123	915	43	100	100	123	957	123	957								
BK70G20-../D08..	200	328	156	928	43	115	115					166	1003						
BK70G20-../D09..	251	342.5	181	994	43	124	124					192	1073	192	1087	192	1093		

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK70G20

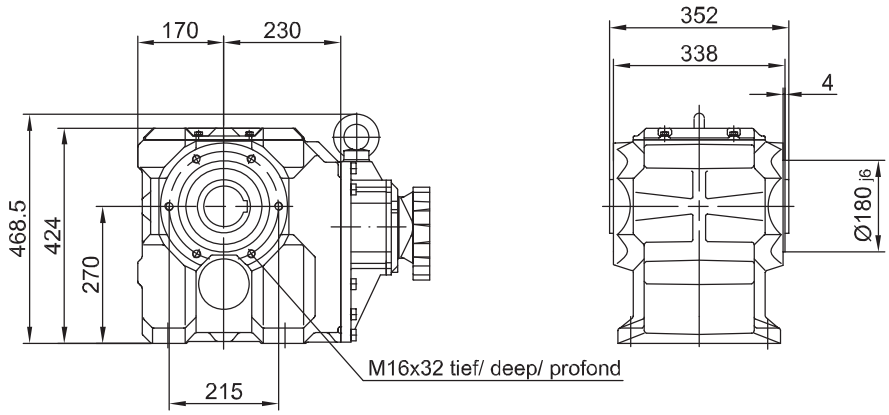
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



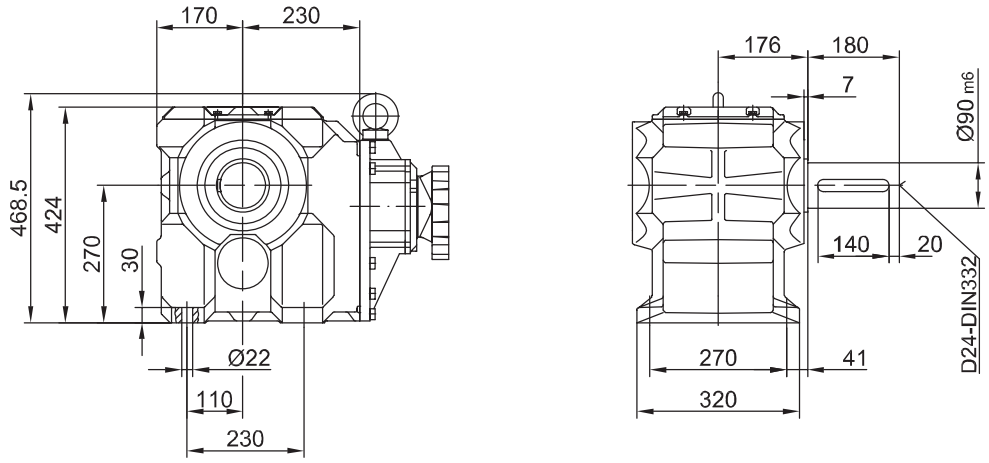
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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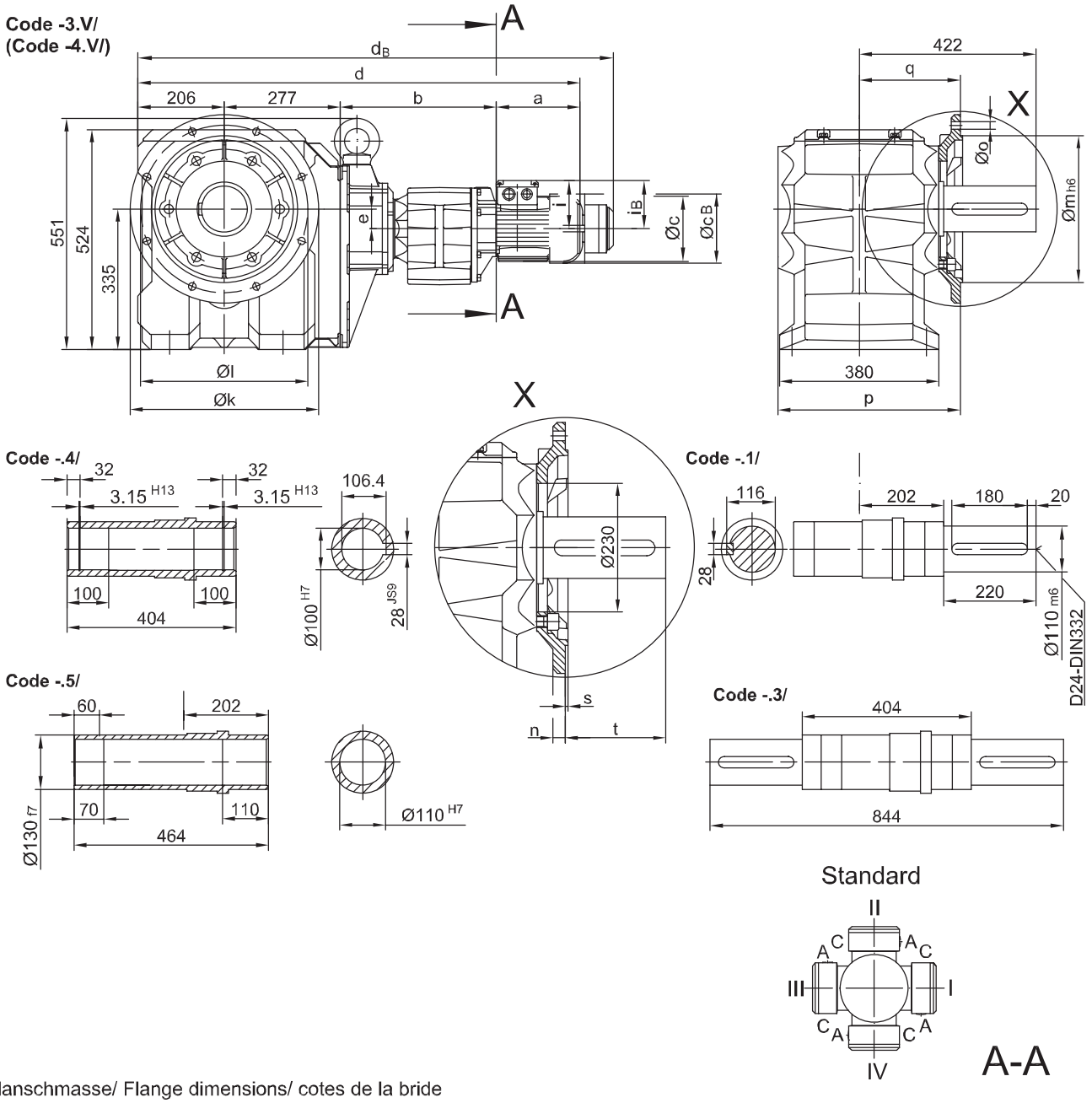
Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK80G40

Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant



Flanschmasse/ Flange dimensions/ cotes de la bride

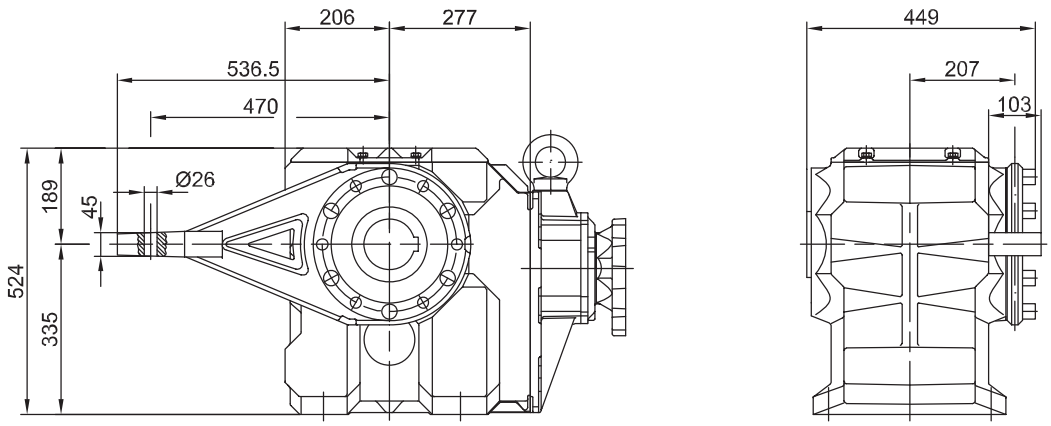
BK80G..	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	450	400	350	22	17.5	439	245	5	177
gross/ big/ grande -4.V/	550	500	450	22	17.5	444	250	5	172

Typ/ Type/ Type	a	b	c	d	e	i	Ausführung mit Bremse/ with brake/ avec frein											
							i_B	E008		Z008		Z015		E075				
								c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B			
BK80G40-../D08..	200	373	156	1056	47	115	115	166	1131									
BK80B40-../D09..	251	387.5	181	1121	47	124	124	192	1201	192	1215	192	1221					
BK80B40-../D11..	319	394	228	1196	47	181	181					231	1299	231	1329			

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

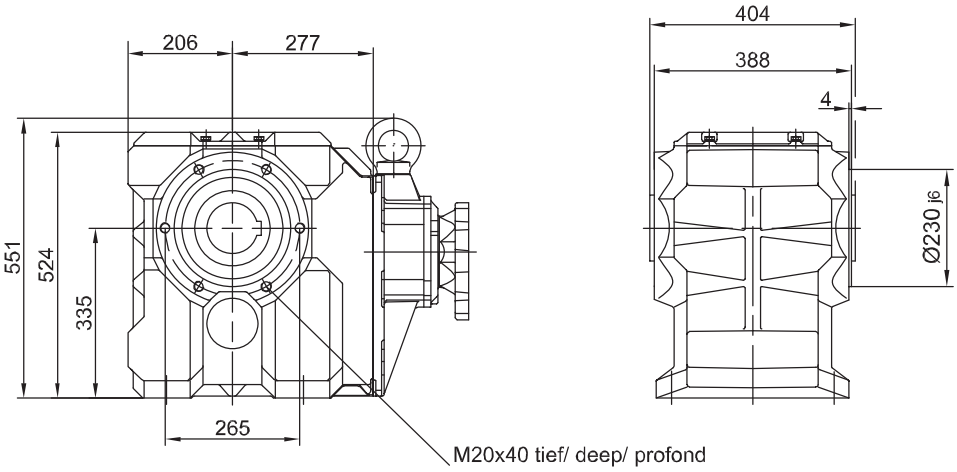
BK80G40

Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant
Code -5.V/

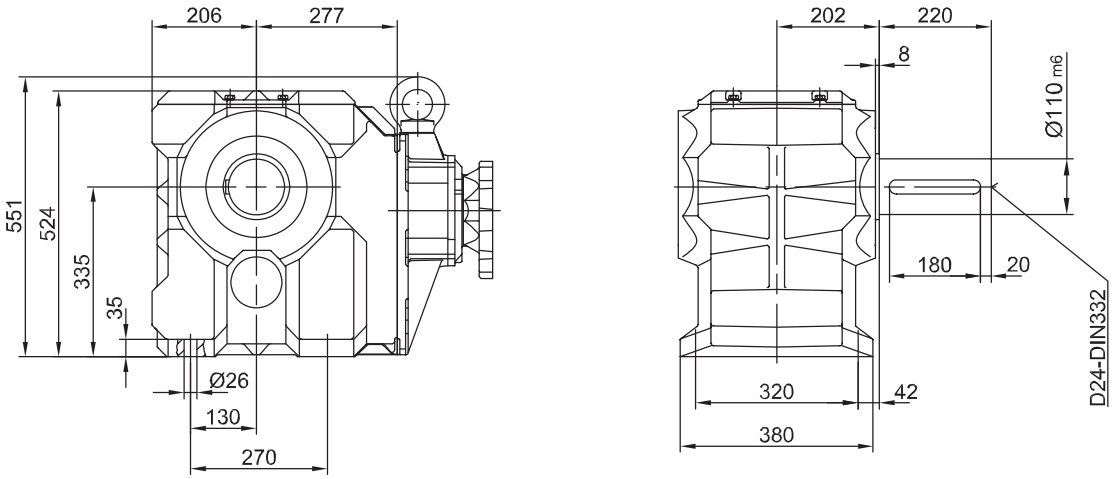


Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas
Code -1.U/

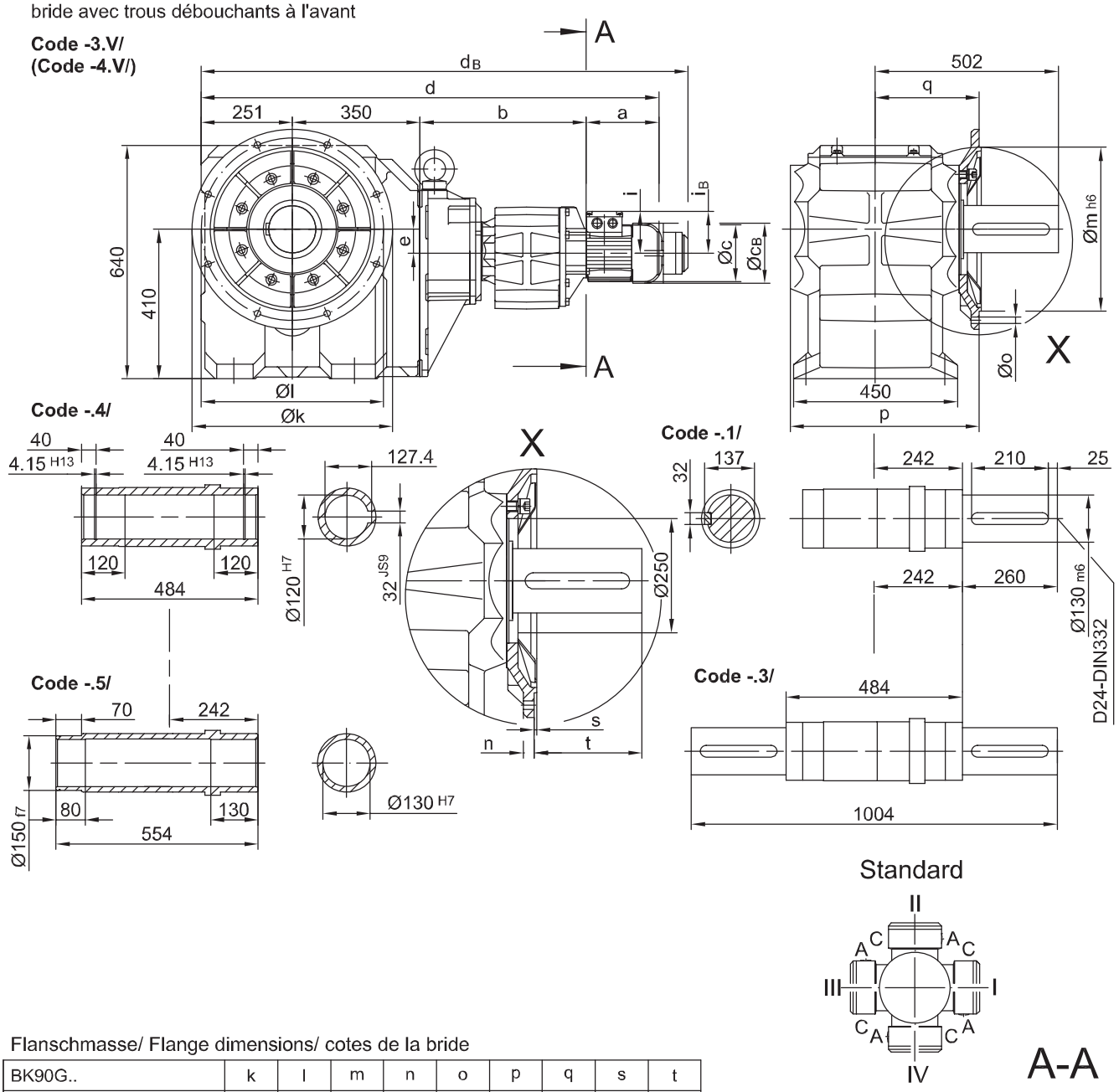


12

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK90G50

Flansch mit Durchgangslöchern vorne/ flange with clearance holes at front/
bride avec trous débouchants à l'avant



Flanschmasse/ Flange dimensions/ cotes de la bride

BK90G..	k	l	m	n	o	p	q	s	t
Standard/ -3.V/	550	500	450	22	17.5	519	285	5	217
gross/ big/ grande -4.V/	660	600	550	25	22	513	279	6	223

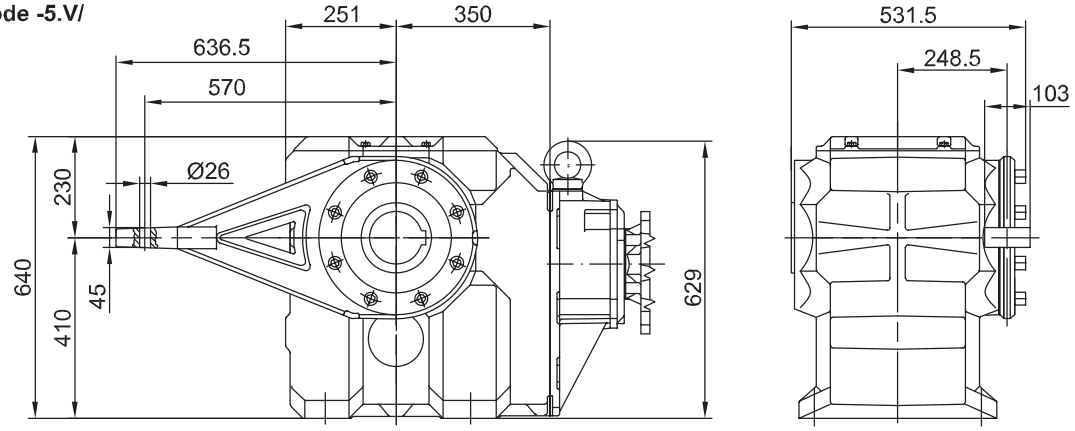
Typ/ Type/ Type	a	b	c	d	e	i	Ausführung mit Bremse/ with brake/ avec frein											
							i_B	E008		Z008		Z015		E075		Z075		Z100	
								c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B	c_B	d_B
BK90G50-../D08..	200	456	156	1257	66	115	115	166	1332										
BK90G50-../D09..	251	470.5	181	1322	66	124	124	192	1402	192	1416	192	1422						
BK90G50-../D11..	319	477	228	1397	66	181	181					231	1500	231	1530				
BK90G50-../D13..	393	490	266	1484	66	217	217							277	1619	277	1538		
BK90G50-../D16..	429	504	322	1534	66	243	243							326	1667	326	1686	326	1706

Three-phase Bevel Geared Motors
Drehstrom-Kegelrad-Getriebemotoren
Motoréducteurs triphasés coniques

BK90G50

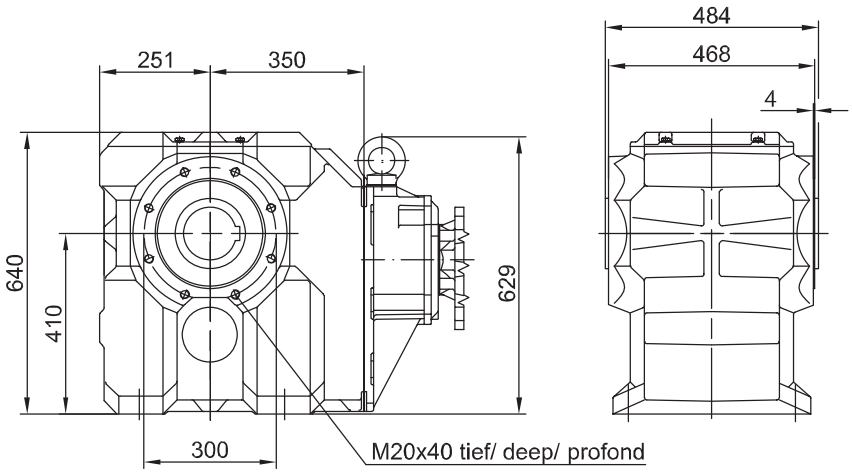
Drehmomentstütze vorne/ torque arm at front/ bras de réaction à l'avant

Code -5.V/



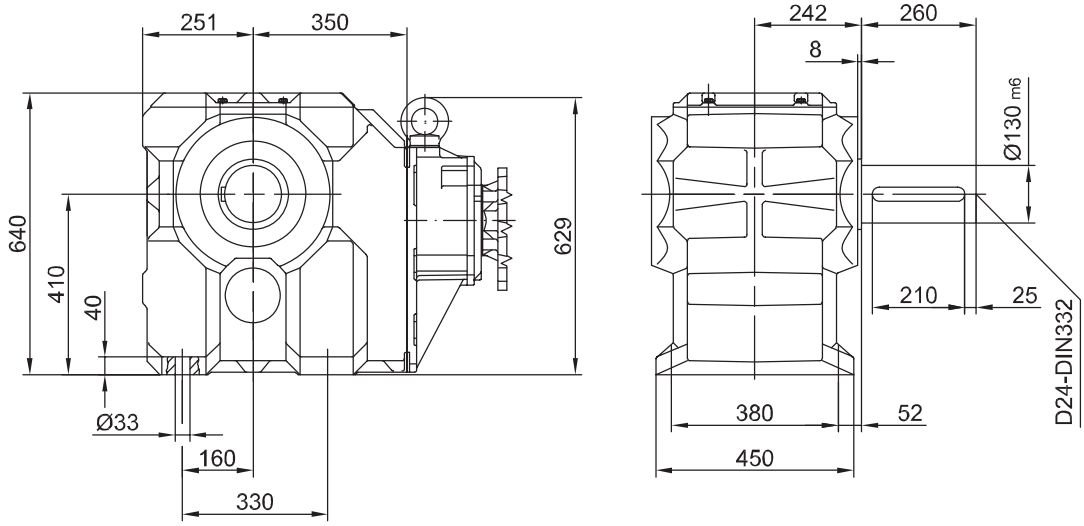
Flansch mit Gewindelöchern vorne/ flange with tapped holes at front/ bride avec trous taraudés à l'avant

Code -7.V/



Fuss mit Durchgangslöchern unten/ foot with clearance holes at bottom/ fixation à pied avec trous débouchants en bas

Code -1.U/



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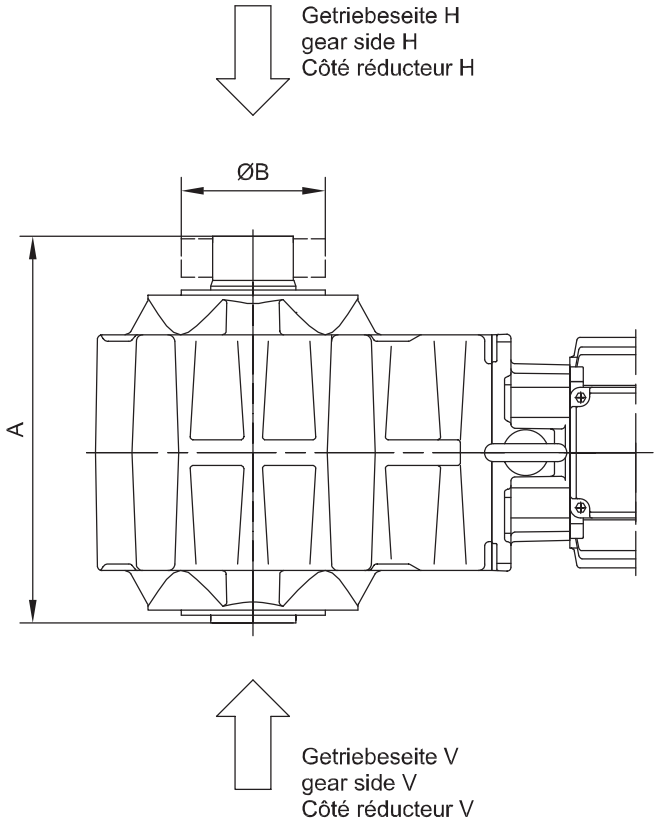
12.4 Accessories for bevel-geared motors
12.4.1 Shrink disc coupling

12.4.1.1
Geared motor with SSV shrink disc

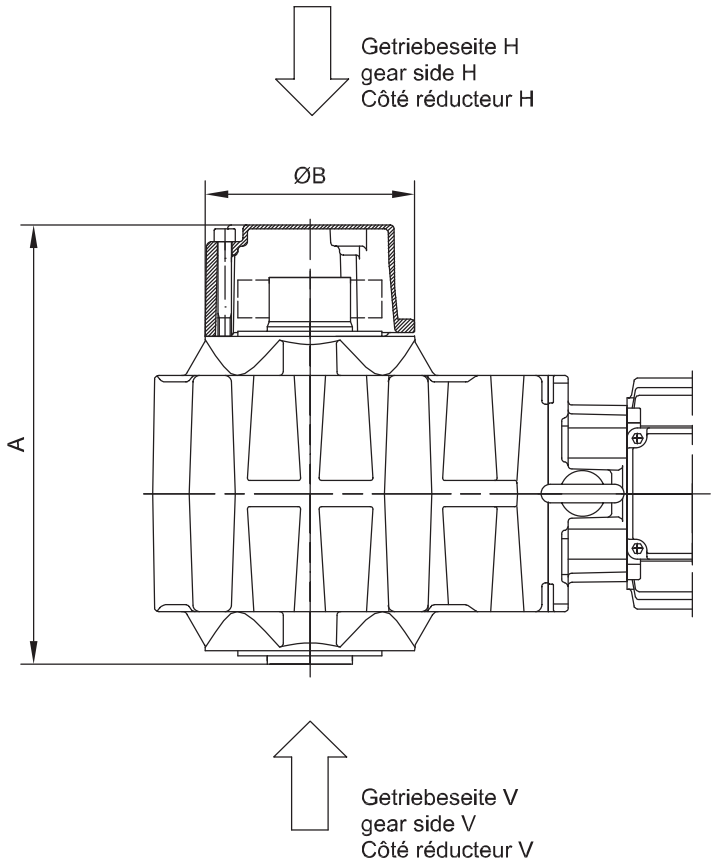
(Code BK10-.5/...)
(Code BK10Z-.5/...)



Typ/Type/Type	SSV Gerwah	SSV STÜWE	A	B
BK06	PSV5001 24x50	HSD 24-22x24	118	50
BK10	PSV5001 36x72	HSD 36-22x36	195	72
BK20	PSV5001 44x80	HSD 44-22x44	222	80
BK30	PSV5001 50x90	HSD 50-22x50	254	90
BK40	PSV5001 62x110	HSD 62-22x62	295	110
BK50	PSV5001 68x115	HSD 68-22x68	317	115
BK60	PSV5001 80x141	HSD 80-22x80	337	140
BK70	PSV5001 110x185	HSD 110-22x105	407	185
BK80	PSV5001 125x215	HSD 125-22x130	464	215
BK90	PSV5001 155x263	HSD 155-22x150	554	263

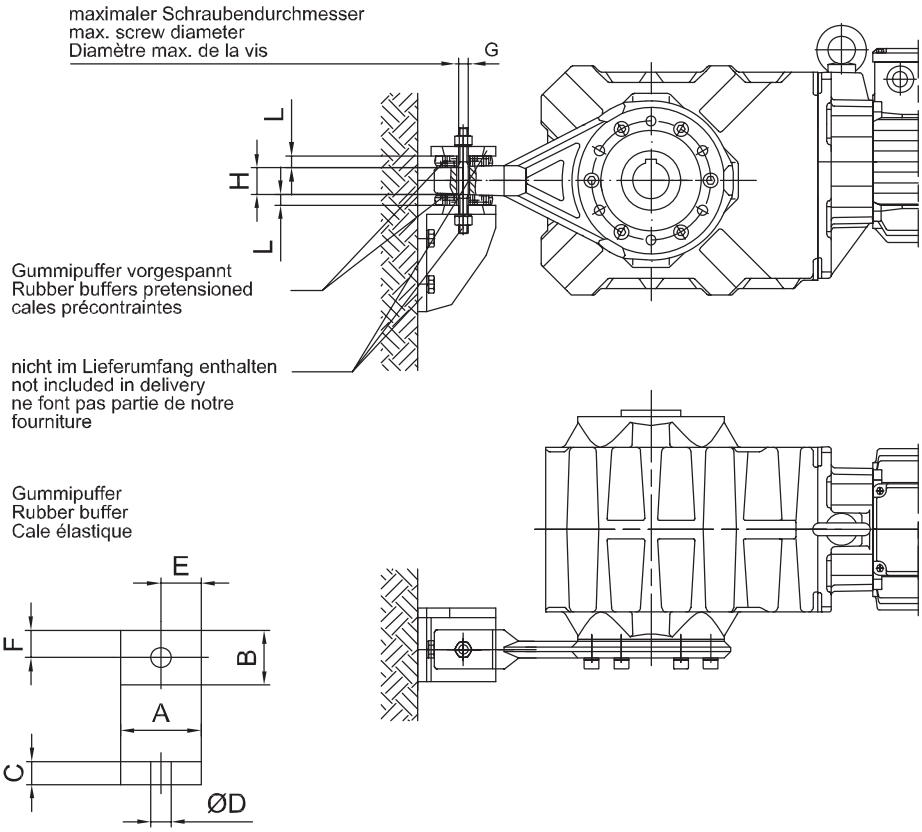
12.4.1.2
Geared motor with SSV cover

(Code BK10-.5A/...)
(Code BK10Z-.5A/...)



Typ/Type/Type	SSV Gerwah	SSV STÜWE	A	B
BK10	PSV5001 36x72	HSD 36-22x36	217	120
BK20	PSV5001 44x80	HSD 44-22x44	270	140
BK30	PSV5001 50x90	HSD 50-22x50	300	160
BK40	PSV5001 62x110	HSD 62-22x62	335	160
BK50	PSV5001 68x115	HSD 68-22x68	329	200
BK60	PSV5001 80x141	HSD 80-22x80	386	210
BK70	PSV5001 110x185	HSD 110-22x105	465	250
BK80	PSV5001 125x215	HSD 125-22x130	502	300
BK90	PSV5001 155x263	HSD 155-22x150	602	350

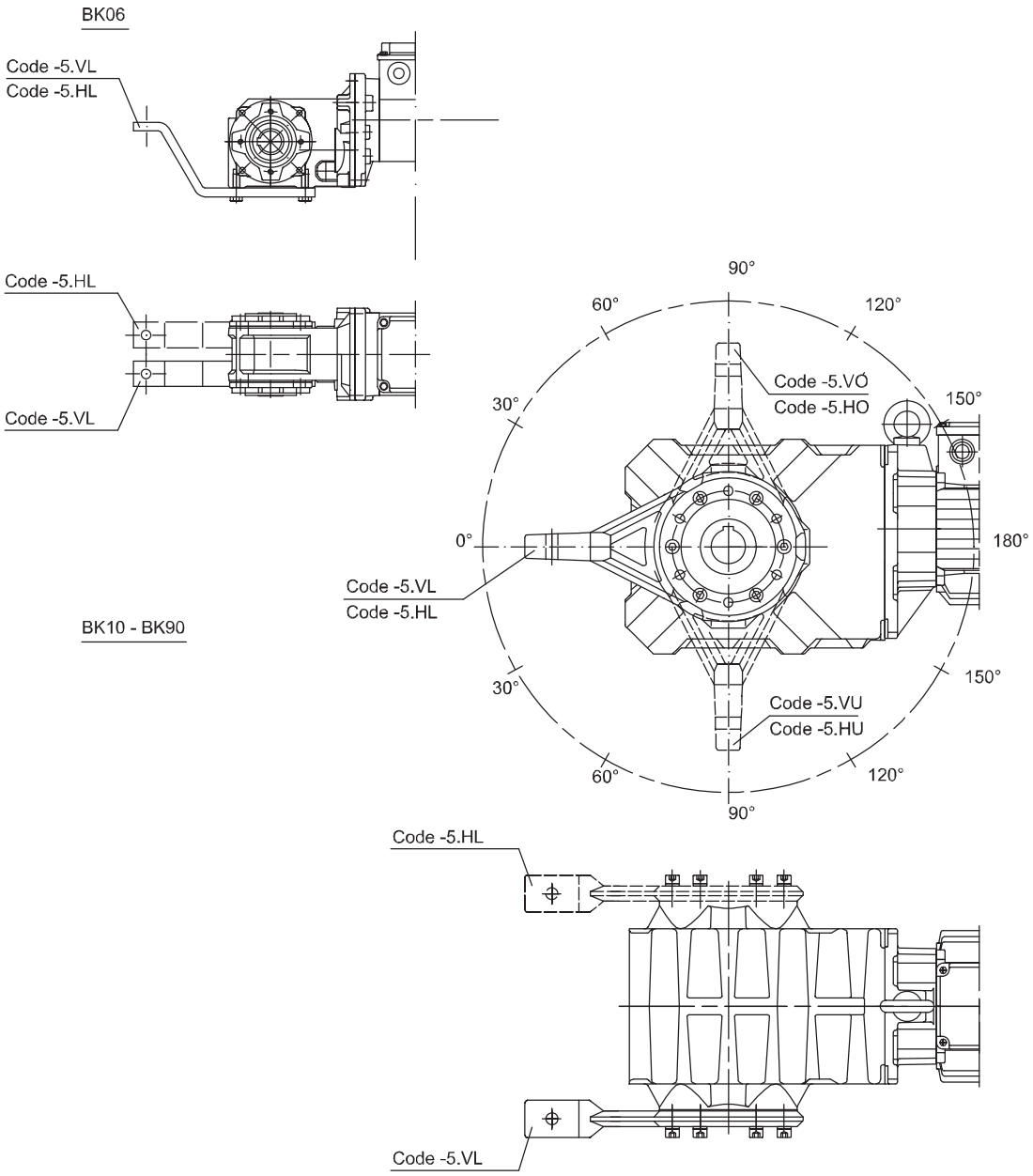
12.4.2 Rubber buffer for torque restraint



Werkstoff:	Naturkautschuk Härte 50 ±5 Shore A	Abmessungen des Querlochs: Siehe Maßbild des jeweiligen Getriebes	
Material:	Natural rubber Hardness 50 ±5 Shore A	Dimensions of the transverse hole: see dimensioned sketch of the respective shaft mounted gearbox	
Matière:	Caoutchouc naturel Dureté 50±5 Shore A	Dimensions du trou transversal consulter les croquis cotés des réducteurs respectifs	

Getriebe Gear Réducteur	Pos.	Maße (mm) Dimensions (mm) Cotes (mm)								
		A	B	C	D	E	F	G	H	L
BK06	Pos.0	30	30	12	12	15	15	M10	10	10
BK10	Pos.1	48	32	15	14	24	16	M10	19	13.5
BK20	Pos.1	48	32	15	14	24	16	M10	19	13
BK30	Pos.2	63	43	20	14	31.5	21.5	M10	30	17
BK40	Pos.2	63	43	20	14	31.5	21.5	M10	30	17
BK50	Pos.3	88	60	25	22	44	30	M18	36	21.5
BK60	Pos.3	88	60	25	22	44	30	M18	38	21
BK70	Pos.4	123	88	30	26	61.5	44	M20	40	25.5
BK80	Pos.5	133	103	35	26	66.5	51.5	M20	45	30
BK90	Pos.5	133	103	35	26	66.5	51.5	M20	45	29.5

12.4.3 Position of the torque arm



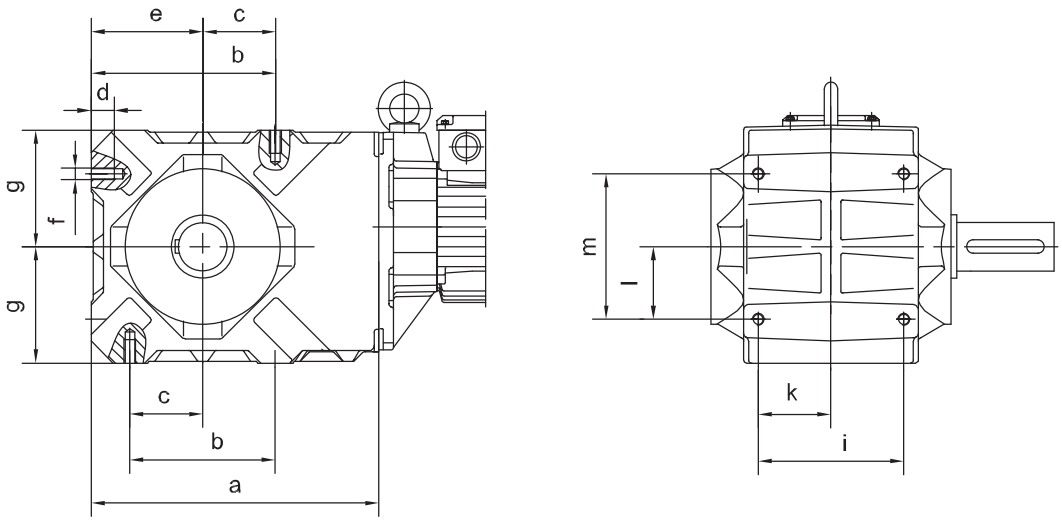
Mögliche Lagen.
Possible locations.
Positions possibles.

Lage Position	VL / HL			VO / HO VU / HU			VR / HR
BK06	0°	-	-	-	-	-	-
BK10	0°	30°	60°	90°	120°	150°	-
BK20	0°	30°	60°	90°	120°	150°	-
BK30	0°	30°	60°	90°	120°	150°	-
BK40	0°	30°	60°	90°	120°	150°	-
BK50	0°	30°	60°	90°	120°	150°	-
BK60	0°	30°	60°	90°	120°	150°	-
BK70	0°	30°	60°	90°	120°	150°	-
BK80	0°	30°	60°	90°	120°	150°	-
BK90	0°	45°		90°	135°		-

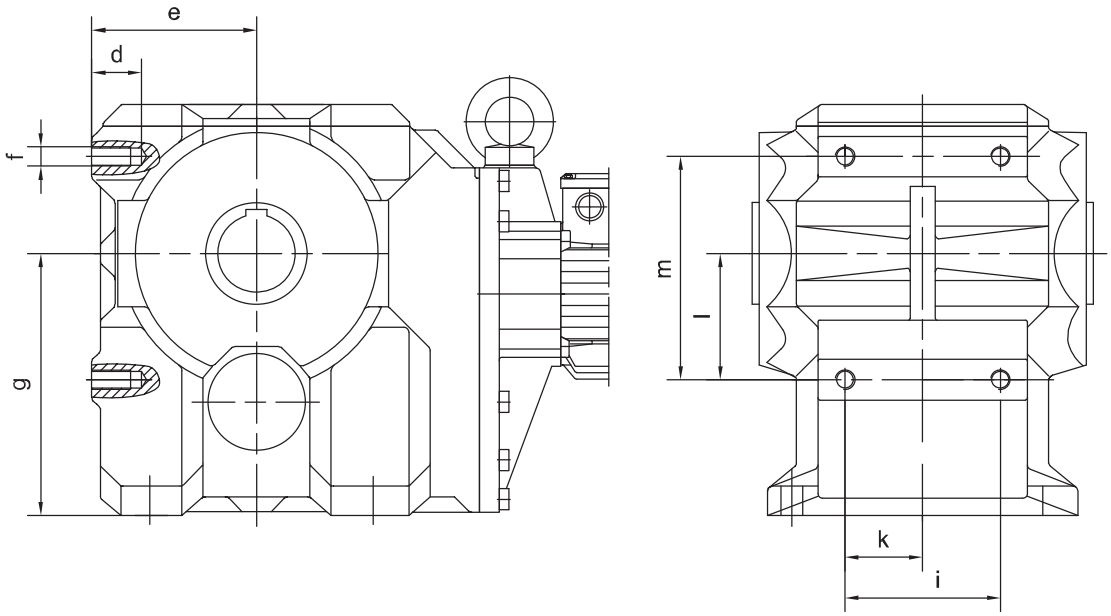
For mounting information refer to 5.6

12.5 Additional dimensional drawings for bevel-geared motors

12.5.1 Foot with tapped bores

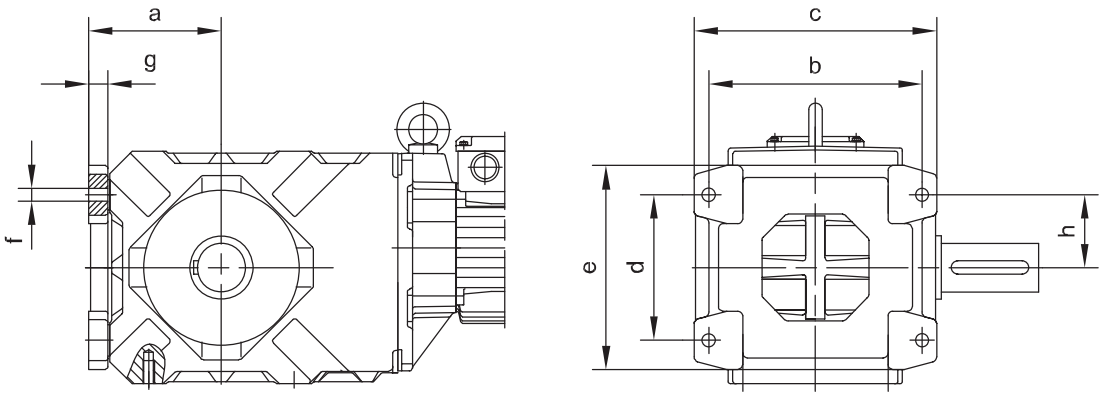


Typ/Type/Type	a	b	c	d	e	f	g	i	k	l	m
BK10-BK10Z	202	90	45	16	78	M8	80	95	47.5	45	90
BK20-BK20Z	242	110	55	20	95	M10	100	105	52.5	55	110
BK30-BK30Z	266	125	62.5	24	105	M12	110	120	60	62.5	125
BK40-BK40Z	297	150	75	24	115	M12	120	150	75	75	150
BK50-BK50Z	356	200	100	28	145	M14	150	160	80	100	200

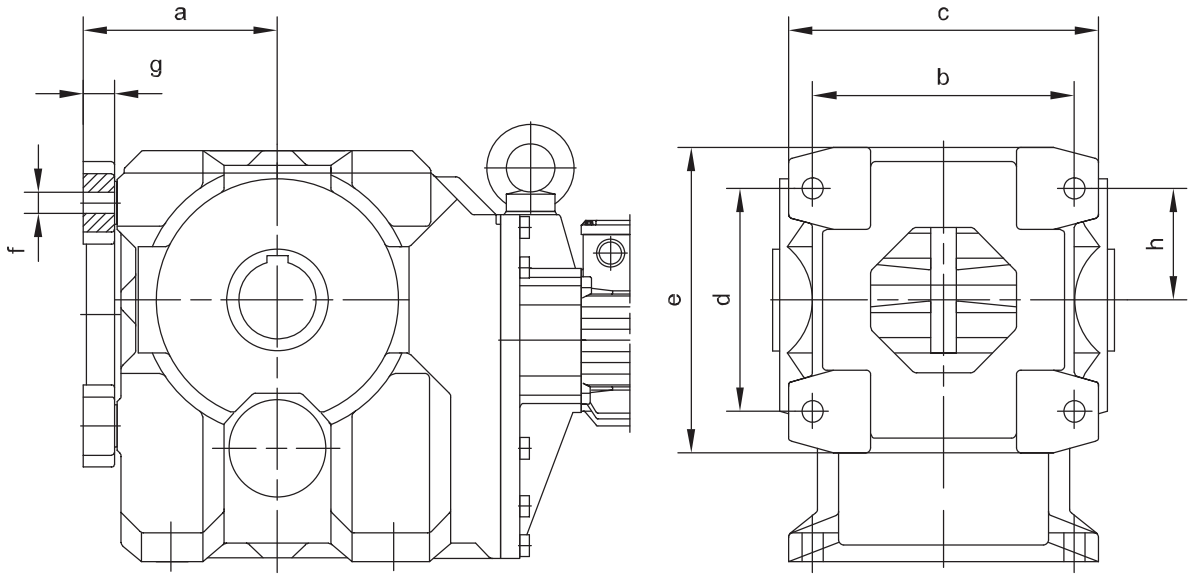


Typ/Type/Type	a	b	c	d	e	f	g	i	k	l	m
BK60-BK60Z	-	-	-	40	130	M20	212	160	80	145	230
BK70-BK70Z	-	-	-	40	165	M20	270	160	80	130	230
BK80-BK80Z	-	-	-	60	200	M30	335	210	105	240	360
BK90-BK90Z	-	-	-	60	245	M30	410	210	105	215	360

12.5.2 Foot plate with through bores



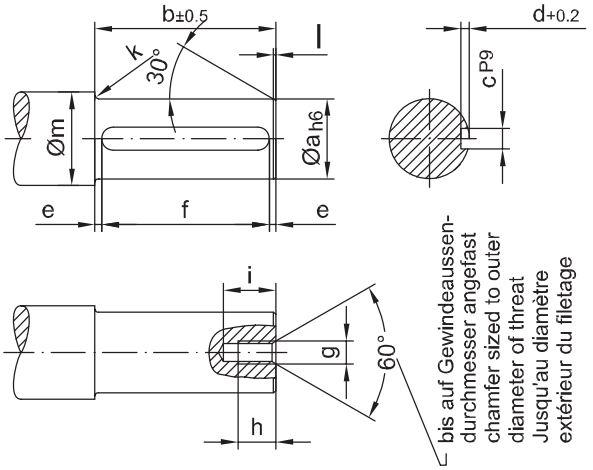
Typ/Type/Type	a	b	c	d	e	f	g	h
BK10-BK10Z	96	145	165	90	130	Ø9	16	45
BK20-BK20Z	115	165	195	110	160	Ø11	18	55
BK30-BK30Z	127	190	220	125	185	Ø13.5	20	62.5
BK40-BK40Z	137	220	250	150	210	Ø13.5	20	75
BK50-BK50Z	170	240	280	200	265	Ø17.5	23	100



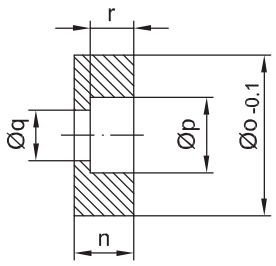
Typ/Type/Type	a	b	c	d	e	f	g	h
BK60-BK60Z	165	270	320	230	315	Ø22	32	85
BK70-BK70Z	200	270	320	230	315	Ø22	32	100
BK80-BK80Z	250	400	480	360	480	Ø33	47	120
BK90-BK90Z	295	400	480	360	480	Ø33	47	145

12.5.3 Tools for fitting bevel gear with hollow shaft and keyway

Pos.1 Wellenzapfen/ shaft/ arbre



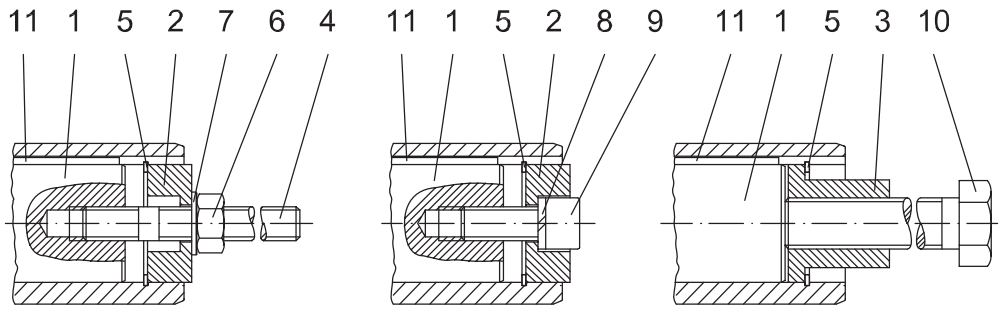
✳Pos.2 Scheibe/ disc/ rondelle



x, Kanten gebrochen/ edges cut/ chanfrein

Werkstoff/ material/ Matière : C45 DIN 17200

Typ / Type / Type	Masse/ dimensions/ Dimensions(mm)																
	Pos.1 Wellenzapfen/ shaft/ arbre												Pos.2 Scheibe/ disc/ rondelle				
	a	b	c	d	e	f	g	h	i	k	l	m	n	o	p	q	r
BK06	20	75	6	3.5	6	$63^{+0.3}$	M6	16	20	2	1	28	13.5	19.8	11	6.6	6.5
BK10	25	148	8	4	11.5	$125^{+0.5}$	M8	18	24	2.5	1.5	33	13.5	24.8	15	9	8.5
BK20	30	170	8	4	15	$140^{+0.5}$	M10	20	26	3	1.5	38	15	29.8	18	11	10
BK30	35	201	10	5	10.5	$180^{+0.5}$	M10	20	26	3	1.5	43	16	34.8	18	11	10
BK40	40	235	12	5	17.5	$200^{+0.5}$	M12	22	29	3	2	48	18	39.8	20	13.5	12
BK50	50	254	14	5.5	17	$220^{+0.5}$	M16	30	37	3.5	2	58	21	49.8	26	17.5	15
BK60	60	273	18	7	11.5	$250^{+0.5}$	M20	38	46	3.5	2	68	24	59.8	33	22	18
BK70	80	316	22	9	18	$280^{+0.5}$	M20	38	46	4	2	90	27	79.8	33	22	20
BK70-K70	70	316	20	7.5	18	$280^{+0.5}$	M20	38	46	4	2	90	27	69.8	33	22	20
BK80	100	360	28	10	20	$320^{+0.5}$	M24	45	54	4	3	110	32	99.8	40	26	25
BK90	120	432	32	11	16	$400^{+0.5}$	M24	45	54	4.5	3	130	35	119.8	40	26	28



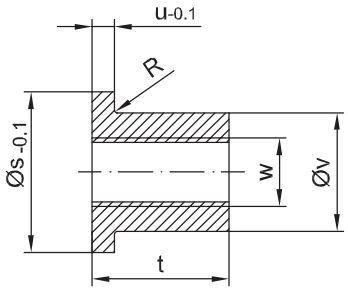
Montage/ Installation/ Montage

Halten/ Holding/ Maintien

Demontage/ Dismantlement/ Démontage

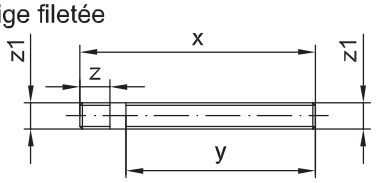
Die dargestellten Teile werden zur Montage benötigt. NUR ✳ gekennzeichneten Teile sind im Montagehilfeset enthalten.
The parts shown are neccessary fpr assembly. ONLY ✳ specified parts are enclosed in the assembly kit.
Les pièces montrées ne sont pas de notre fourniture. SEULES celles marquées ✳ sont disponibles dans le kit de montage.

Pos.3 Hülse/ sleeve/ Entretoise



$\sqrt{^{x}}$, Kanten gebrochen/ edges cut/ chanfrein
Werkstoff/ material/ Matière: C45 DIN 17200

Pos.4 Gewindebolzen/ stud bolt
Tige filetée



Werkstoff: Stahl, Zugfestigkeit ≥ 1000N/mm²
Gewinde gerollt
Material: Steel, tensile strength ≥ 1000N/mm²
threads rolled
Matière: acier, résistant à la traction ≥ 1000N/mm²
Filetage roulé

Typ / Type / Type	Masse/ dimensions/ Dimensions(mm)										✳ Sicherungsring DIN 472 retainer ring circlips	Sechskantmutter DIN 934-8 hexagon nut Ecou 6 pans	Scheibe DIN 125-St disc Rondelle	Federring DIN 7980 lock washer Rondelle élastique	✳ Zylinderschraube DIN 912-8.8 Filister head screw Vis	Sechskantschraube DIN EN 24017-8.8 hexagon bolt Vis tête hexagonale	Passfeder DIN 6885 key Clavette Breite x Höhe x Länge width x height x Length Largeur/ Hauteur/ Longueur
	Pos.3 Hülse/ sleeve/ Entretoise						Pos.4 Gewindebolzen stud bolt / Tige filetée										
	s	t	u	v	w	R	x	y	z	z1	Pos.5	Pos.6	Pos.7	Pos.8	Pos.9	Pos.10	Pos.11
BK06	19.8	20	5	11.1	M8	0.8	130	100	20	M6	20x1	M6	6.4	6	M6x30	M6x120	A 6x6x63
BK10	24.8	24	5	15.4	M12	0.8	200	170	20	M8	25x1.2	M8	8.4	8	M8x30	M12x190	A 8x7x125
BK20	29.8	28	5	19.8	M14	0.8	230	195	23	M10	30x1.2	M10	10.5	10	M10x30	M14x210	A 8x7x140
BK30	34.8	28	5	23	M14	-	260	220	23	M10	35x1.5	M10	10.5	10	M10x35	M14x240	A 10x8x180
BK40	39.8	40	6	27.7	M20	0.8	300	260	28	M12	40x1.75	M12	13	12	M12x35	M20x290	A 12x8x200
BK50	49.8	48	6	36	M24	-	340	290	37	M16	50x2.0	M16	17	16	M16x40	M24x320	A 14x9x220
BK60	59.8	60	6	44	M30	-	370	310	45	M20	60x2.0	M20	21	20	M20x50	M30x350	A 18x11x250
BK70	79.8	60	8	55	M30	-	420	360	45	M20	80x2.5	M20	21	20	M20x50	M30x400	A 22x14x280
BK70-K70	69.8	60	8	53	M30	-	420	360	45	M20	70x2.5	M20	21	20	M20x50	M30x400	A 20x12x280
BK80	99.8	72	10	75	M36	-	480	410	55	M24	100x3.0	M24	25	24	M24x60	M36x450	A 28x16x320
BK90	119.8	72	10	80	M36	-	560	480	55	M24	120x4.0	M24	25	24	M24x60	M36x520	A 32x18x400

Die dargestellten Teile werden zur Montage benötigt. NUR ✳ gekennzeichneten Teile sind im Montagehilfeset enthalten.
The parts shown are neccessary fpr assembly. ONLY ✳ specified parts are enclosed in the assembly kit.
Les pièces montrées ne sont pas de notre fourniture. SEULES celles marquées ✳✳ sont disponibles dans le kit de montage.

Optional/ En option:

Typ / Type	Ø s	Bestelltext / Bestelltext / Order Text / Texte de commande
BK06	20	Id.Nr.4104013 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"
BK10	25	Id.Nr.4103921 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"
BK20	30	Id.Nr.4103939 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"
BK30	35	Id.Nr.4103947 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"
BK40	40	Id.Nr.4103955 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"
BK50	50	Id.Nr.4103963 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"
BK60	60	Id.Nr.4103971 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"
BK70	80	Id.Nr.4103980 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"
BK70-K70	70	Id.Nr.4104765 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"
BK80	100	Id.Nr.4103998 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"
BK90	120	Id.Nr.4104005 Montagehilfe "halten"/ Assembly tool "holding"/ Kit de montage "maintien"