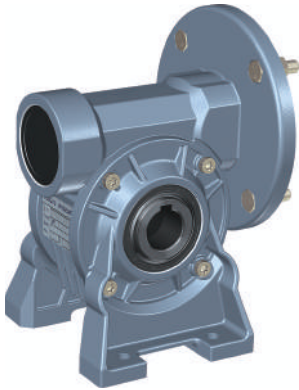
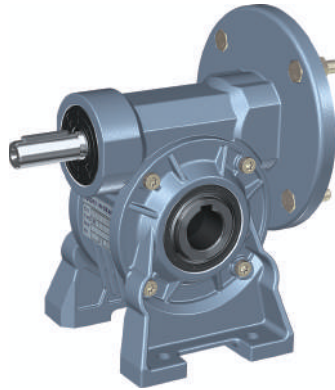


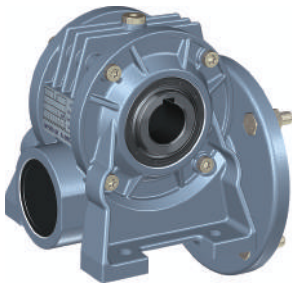
WG SCHNECKENGETRIEBE



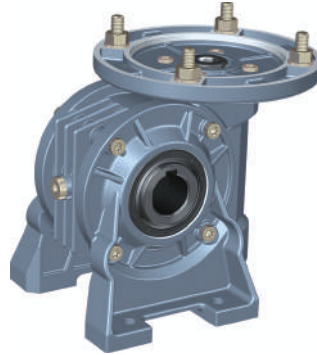
WG..A..



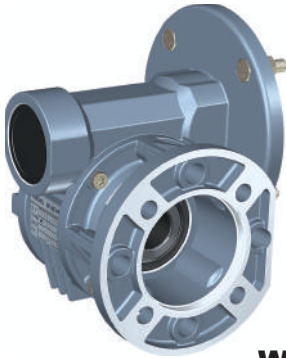
WG..A..E..



WG..N..



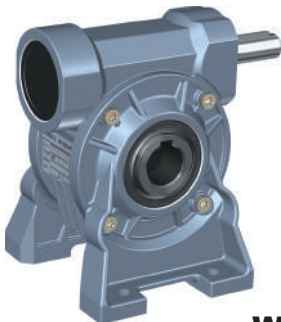
WG..V..



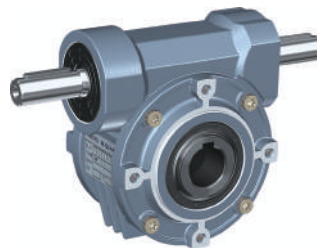
WG..F(FA)..



WG..P..




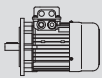
WG..HS..






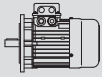
WG..P..E..HS



12.3 GETRIEBEMOTOREN AUSWAHL TABELLEN / GEAR UNIT SELECTION TABLES

12.3.1 WG.P(IEC).. Leistungsparemeter / Performance parameter



P_{1n} [kW]	n₂ [r/min]	M_{2n} [Nm]	i	F_{r2} [N]	f_s			Page	
0.06	19.3	14	70	1600	1.1	WG30	56B5/B14	56A4	15
	22.5	13	60	1600	1.5				
	34	10	40	1650	1.9				
	45	8	30	1340	2.5				
	68	6	20	1180	2.9				
	90	5	15	1080	3.7				
	135	3	10	950	4.7				
	193	2	7	840	6.4				
	2.4	74	560	2500	0.8	WG30/44	56B5/B14	56A4	22
	3.2	62	420	2500	1.0				
	3.9	53	350	2500	1.1				
	5.5	42	245	2500	1.4				
	2	116	720	3450	0.8	WG30/49	56B5/B14	56A4	22
	2.5	85	540	3450	1.1				
	3.2	73	420	3450	1.3				
4.3	53	315	3450	1.8					
5.6	45	240	3450	2.1					
0.09	22.5	19	60	1600	1.0	WG30	56B5/B14	56B4	15
	34	15	40	1410	1.3				
	45	12	30	1290	1.6				
	68	9	20	1140	2.0				
	90	7	15	1050	2.5				
	135	5	10	920	3.1				
	193	4	7	820	4.3				
	22	22	40	1560	0.9	WG30	63B5/B14	63A6	15
	29.3	18	30	1440	1.2				
	44	14	20	1230	1.5				
	59	11	15	1170	1.9				
	88	8	10	1050	2.3				
	126	6	7	920	3.2				
	3.9	80	350	2500	0.7	WG30/44	56B5/B14	56B4	21
	5.5	62	245	2500	1.0				
	12.6	38	70	2300	0.8	WG44	63B5/B14	63A6	17
	14.7	33	60	2300	1.2				
	19.1	28	46	2300	1.4				
	25.1	23	35	2300	1.7				
	31	19	28	2300	2.0				
	44	15	20	2300	2.6				
	3.2	110	420	3450	0.9	WG30/49	56B5/B14	56B4	22
	4.3	80	315	3450	1.2				
	5.6	69	240	3450	1.4				
8.8	41	100	3300	1.3	WG49	63B5/B14	63A6	19	
11.0	37	80	3300	1.6					
12.6	34	70	3300	1.8					
14.7	31	60	3300	2.1					
19.6	26	45	3300	2.7					
24.4	22	36	3300	3.4					
0.12	138	7	20	840	2.1	WG30	56B5/B14	56B2	15
	275	4	10	740	3.4				
	393	3	7	660	4.7				
	33	21	40	1360	0.9	WG30	63B5/B14	63A4	15
	44	17	30	1250	1.2				
	66	13	20	1110	1.4				



P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	F_{r2} [N]	f_s			Page	
0.12	87	10	15	1020	1.8	WG30	63B5/B14	63A4	15
	131	7	10	900	2.3				
	187	5	7	810	3.1				
	29	24	30	1360	0.9	WG30	63B5/B14	63B6	15
	44	18	20	1250	1.1				
	58	15	15	1130	1.4				
	87	10	10	1020	1.7				
	124	8	7	900	2.4				
	18.7	34	70	3300	0.9	WG44	63B5/B14	63A4	17
	21.8	30	60	2300	1.3				
	28.5	25	46	2300	1.6				
	37	21	35	2300	1.9				
	47	17	28	2300	2.2				
	66	13	20	2100	2.9				
	94	10	14	1870	2.9				
	14.5	42	60	2300	1.1				
	19	36	46	2300	1.4				
	25	30	35	2300	1.7				
	31	25	28	2300	2.0				
	44	19	20	2300	2.3				
	62	14	14	2150	2.7				
4.2	110	315	3450	0.9	WG30/49	63B5/B14	63A4	22	
5.5	94	240	3450	1.0					
13.1	42	100	3150	1.2	WG49	63B5/B14	63A4	19	
16.4	36	80	3150	1.5					
18.7	34	70	3150	1.6					
21.8	30	60	3150	1.9					
29.1	25	45	3040	2.6					
36	21	36	2830	3.3					
8.7	55	100	3300	0.9	WG49	63B5/B14	63B6	19	
10.9	50	80	3300	1.2					
0.18	90	13	30	1020	1.1	WG30	63B5/B14	63A2	15
	135	10	20	900	1.4				
	180	8	15	800	1.8				
	270	5	10	710	2.2				
	386	4	7	640	3.1				
	66	19	20	1040	1.0	WG30	63B5/B14	63B4	15
	88	15	15	960	1.2				
	132	11	10	860	1.5				
	189	8	7	770	2.1				
	45	24	60	2300	1.2	WG44	63B5/B14	63B4	17
	59	20	46	2190	1.4				
	77	16	35	1970	1.8				
	96	14	28	1770	2.1				
	135	10	20	1590	2.8				
	193	7	14	1470	2.9				
	22	45	60	2300	0.9				
	29	37	46	2500	1.1				
	38	31	35	2430	1.3				
	47	26	28	2270	1.5				
	66	20	20	2040	1.9				
	94	15	14	1830	2.0				
132	11	10	1640	2.7					
26	43	35	2340	1.1	WG44	71B5/B14	71A6	17	
32	36	28	2290	1.4					
45	28	20	2050	1.6					
64	21	14	1830	1.9					
90	16	10	1650	2.5					



P_{1n} [kW]	n₂ [r/min]	M_{2n} [Nm]	i	F_{r2} [N]	f_s			Page						
0.18	16.5	54	80	3150	1.0	WG49	63B5/B14	63B4	19					
	18.9	50	70	3150	1.1									
	22	45	60	3150	1.3									
	29.3	37	45	2300	1.8									
	37	31	36	2760	2.2									
	47	26	28	2560	2.9									
	55	23	24	2430	2.7									
	73	19	18	2230	3.2									
	15	61	60	3000	1.1									
	20	52	45	2790	1.4									
	25	43	36	2650	1.7									
	32	36	28	2450	2.3									
	0.25	135	14	20	840					1,0	WG30	63B5/B14	63B2	15
		180	11	15	780					1,4				
270		7	10	690	1,6									
77		23	35	1930	1.3									
96		19	28	1730	1.5									
135		14	20	1550	2.0									
193		10	14	1400	2.1									
270		8	10	1300	2.9									
38		43	35	2300	0.9									
47		36	28	2190	1.1									
66		28	20	1970	1.4									
94		21	14	1770	1.4									
132		15	10	1590	1.9									
189		11	7	1420	2.7									
32		50	28	2300	1.0									
45		39	20	2190	1.1									
64		29	14	1980	1.3									
90		22	10	1780	1.8									
129		16	7	1590	2.5									
39		38	70	2650	1.1									
45		34	60	2500	1.3									
60		28	45	2350	1.8									
75		23	36	2230	2.2									
96		19	28	2070	2.9									
113		17	24	1930	2.8									
22		63	60	3100	0.9									
29		51	45	2810	1.3									
37		44	36	2670	1.6									
47		36	28	2480	2.1									
55		33	24	2360	1.9									
73		26	18	2170	2.3									
94		21	14	2010	3.2									
20	72	45	3150	1.0										
25	60	36	3150	1.2										
32	51	28	3150	1.6										
38	46	24	2600	1.5										
50	36	18	2460	1.9										
64	29	14	2260	2.4										
90	22	10	2040	2.9										
0.37	79	33	35	1860	0.9	WG44	71B5/B14	71A2	17					
	98	27	28	1720	1.1									
	138	21	20	1570	1.4									
	196	15	14	1400	1.5									
	275	11	10	1260	2.0									
	393	8	7	1120	2.7									

P_{1n} [kW]	n₂ [r/min]	M_{2n} [Nm]	i	F_{r2} [N]	f_s			Page	
0.37	69	40	20	1870	1.0	WG44	71B5/B14	71B4	17
	98	29	14	1690	1.0				
	137	22	10	1520	1.3				
	196	16	7	1360	1.9				
	61	40	45	2270	1.2	WG49	71B5/B14	71A2	19
	76	34	36	2180	1.5				
	98	28	28	2020	2.0				
	115	25	24	1880	1.9				
	153	19	18	1720	2.3				
	30	73	45	2680	0.9	WG49	71B5/B14	71B4	19
	38	62	36	2530	1.1				
	49	51	28	2360	1.4				
	57	46	24	2250	1.4				
	76	37	18	2080	1.6				
	98	29	14	1940	2.2				
	137	22	10	1750	2.7				
	196	16	7	1570	3.4				
	38	67	24	2350	1.0	WG49	80B5/B14	80A6	19
	51	53	18	2240	1.3				
65	43	14	2070	1.7					
91	32	10	1930	2.0					
130	23	7	1740	2.6					
0.55	141	30	20	1490	1.0	WG44	71B5/B14	71B2	17
	201	22	14	1350	1.0				
	281	16	10	1210	1.4				
	401	12	7	1080	1.9				
	78	49	36	2090	1.1	WG49	71B5/B14	71B2	19
	100	40	28	1960	1.4				
	117	36	24	1800	1.3				
	156	28	18	1650	1.6				
	201	22	14	1420	2.2				
	281	16	10	1390	2.7				
	401	12	7	1250	3.5				
	49	76	28	2170	1.0	WG49	80B5/B14	80A4	19
	58	69	24	2080	0.9				
	77	54	18	1930	1.1				
	99	43	14	1810	1.5				
	138	32	10	1650	1.8				
	197	23	7	1480	2.3				
	66	63	14	1960	1.1	WG49	80B5/B14	80B6	19
	92	47	10	1800	1.4				
131	34	7	1660	1.8					
0.75	117	49	24	1710	1.0	WG49	80B5/B14	80A2	19
	156	38	18	1580	1.2				
	200	30	14	1480	1.6				
	280	22	10	1340	2.0				
	400	16	7	1200	2.6				
	100	58	14	1690	1.1	WG49	80B5/B14	80B4	19
	140	43	10	1540	1.4				
200	31	7	1400	1.7					
1.1	200	45	14	1370	1.1	WG49	80B5/B14	80B2	19
	280	33	10	1250	1.3				
	400	23	7	1130	1.8				



12.3.2WG..HS.. *Leistungsparameter / Performance parameter*

M_{2n} [Nm]	n₁ [r/min]	i	P_{1n} [kW]	n₂ [r/min]	F_{R2} [N]	F_{R1} [N]		Page 
12	2800	7	0.58	400	510	120	WG30	23
12	2800	10	0.41	280	620	70		
14	2800	15	0.34	187	720	—		
14	2800	20	0.26	140	820	—		
15	2800	30	0.21	93	960	—		
14	2800	40	0.16	70	1090	—		
14	2800	60	0.12	47	1270	—		
11	2800	70	0.08	40	1380	—		
16	1400	7	0.41	200	630	140	WG30	23
16	1400	10	0.30	140	770	80		
18	1400	15	0.24	93	910	—		
18	1400	20	0.19	70	1030	—		
20	1400	30	0.15	47	1200	—		
19	1400	40	0.12	35	1360	—		
19	1400	60	0.09	23.3	1590	—		
15	1400	70	0.07	20	1600	—		
18	900	7	0.30	129	730	150	WG30	23
18	900	10	0.22	90	900	150		
20	900	15	0.17	60	1060	—		
20	900	20	0.14	45	1200	—		
22	900	30	0.12	30	1400	—		
20	900	40	0.09	23	1590	—		
20	900	60	0.07	15	1650	—		
17	900	70	0.05	13	1700	—		
20	500	7	0.19	71	920	150	WG30	23
20	500	10	0.14	50	1120	150		
22	500	15	0.11	33	1320	150		
22	500	20	0.09	25	1490	150		
24	500	30	0.07	16.7	1700	—		
22	500	40	0.06	12.5	1700	—		
22	500	60	0.05	8.3	1700	—		
19	500	70	0.04	7	1700	—		

M_{2n} [Nm]	n_1 [r/min]	i	P_{1n} [kW]	n_2 [r/min]	F_{R2} [N]	F_{R1} [N]		Page 		
22	2800	7	1.1	400	950	220	WG44	23		
22	2800	10	0.74	280	1150	220				
22	2800	14	0.55	200	1340	220				
29	2800	20	0.52	140	1490	220				
29	2800	28	0.40	100	1710	220				
29	2800	35	0.33	80	1870	220				
29	2800	46	0.27	61	2080	220				
29	2800	60	0.22	47	2290	220				
22	2800	70	0.15	40	2300	220				
21	2800	100	0.11	28	2300	220				
29	1400	7	0.71	200	1180	220	WG44	23		
29	1400	10	0.51	140	1430	220				
29	1400	14	0.37	100	1680	220				
39	1400	20	0.37	70	1860	220				
39	1400	28	0.29	50	2140	220				
39	1400	35	0.25	40	2300	220				
39	1400	46	0.19	30	2300	220				
39	1400	60	0.16	23.3	2300	220				
29	1400	70	0.11	20	2300	220				
28	1400	100	0.09	14	2300	220				
39	900	7	0.63	129	1300	220			WG44	23
39	900	10	0.45	90	1610	220				
39	900	14	0.34	64	1890	220				
45	900	20	0.29	45	2160	220				
49	900	28	0.24	32	2300	220				
49	900	35	0.20	25.7	2300	220				
49	900	46	0.17	19.6	2300	220				
45	900	60	0.13	15	2300	200				
39	900	70	0.10	12.9	2300	220				
30	900	100	0.06	9	2300	220				
45	500	7	0.41	71	1610	220	WG44	23		
45	500	10	0.29	50	1980	220				
50	500	14	0.25	36	2280	220				
50	500	20	0.18	25	2500	220				
55	500	28	0.16	17.9	2500	220				
55	500	35	0.14	14.3	2500	220				
50	500	46	0.10	10.9	2500	220				
50	500	60	0.09	8.3	2500	220				
45	500	70	0.07	7.1	2500	220				
32	500	100	0.04	5	2500	220				

M_{2n} [Nm]	n₁ [r/min]	i	P_{1n} [kW]	n₂ [r/min]	F_{r2} [N]	F_{r1} [N]		Page 
41	2800	7	2	400	950	400	WG49	23
44	2800	10	1.5	280	1140	400		
49	2800	14	1.2	200	1310	400		
44	2800	18	0.87	156	1520	400		
47	2800	24	0.73	117	1670	400		
56	2800	28	0.78	100	1740	400		
52	2800	36	0.59	78	1970	400		
49	2800	45	0.46	62	2180	400		
44	2800	60	0.34	47	2480	400		
41	2800	70	0.28	40	2650	400		
41	2800	80	0.25	35	2780	400		
37	2800	100	0.20	28	3050	400		
54	1400	7	1.3	200	1170	400		
59	1400	10	1.0	140	1410	400		
65	1400	14	0.90	100	1630	400		
59	1400	18	0.60	78	1890	400		
63	1400	24	0.50	58	2110	400		
74	1400	28	0.55	50	2170	400	WG49	23
69	1400	36	0.42	39	2460	400		
65	1400	45	0.33	31	2725	400		
59	1400	60	0.25	23.3	3100	400		
55	1400	70	0.21	20	3150	400		
54	1400	80	0.19	17.5	3150	400		
49	1400	100	0.13	14	3150	400		
61	900	7	0.97	129	1370	400	WG49	23
64	900	10	0.75	90	1670	400		
71	900	14	0.61	64	1920	400		
68	900	18	0.47	50	2190	400		
68	900	24	0.36	38	2480	400		
82	900	28	0.41	32	2540	400		
75	900	36	0.31	25	2880	400		
71	900	45	0.25	20	3190	400		
64	900	60	0.19	15	3300	400		
60	900	70	0.16	12.9	3300	400		
58	900	80	0.14	11.3	3300	400		
52	900	100	0.11	9	3300	400		
74	500	7	0.67	71	1670	400	WG49	23
74	500	10	0.49	50	2060	400		
78	500	14	0.39	36	2400	400		
74	500	18	0.30	27.8	2730	400		
74	500	24	0.24	20.8	3090	400		
88	500	28	0.26	17.9	3180	400		
80	500	36	0.20	13.9	3450	400		
78	500	45	0.17	11.1	3450	400		
69	500	60	0.12	8.3	3450	400		
69	500	70	0.11	7.1	3450	400		
59	500	80	0.09	6.3	3450	400		
59	500	100	0.08	5	3450	400		

12.3.3 WG/WG..HS.. Leistungsparameter/Performance parameter

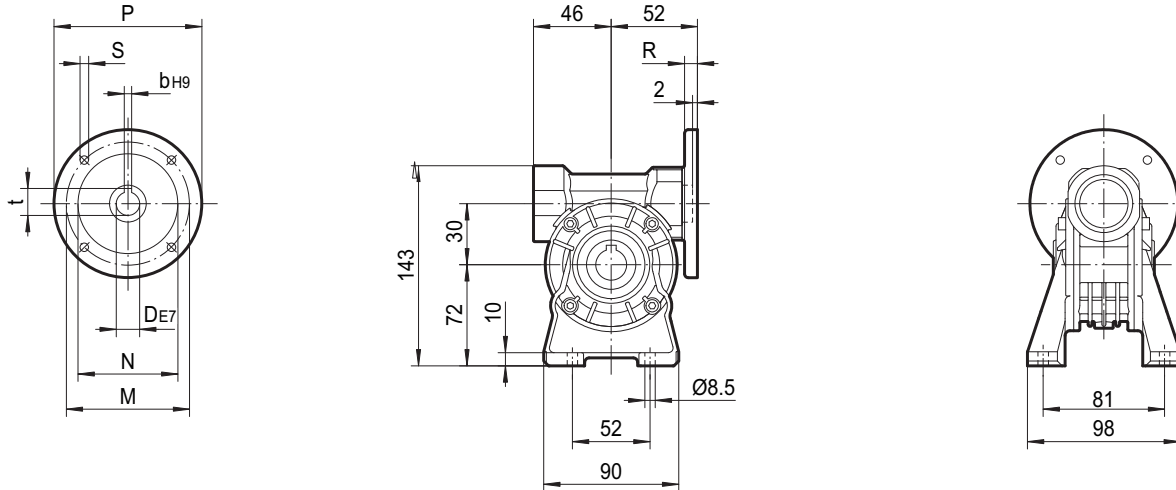
M_{2n} [Nm]	n_1 [r/min]	i	P_{1n} [kW]	n_2 [r/min]	F_{R2} [N]	F_{R1} [N]		Page 
60	1400	245	0.09	5.7	2500	140	WG30/44	24
60	1400	350	0.07	4.0	2500	80		
60	1400	420	0.06	3.3	2500	—		
60	1400	560	0.05	2.5	2500	—		
60	1400	700	0.04	2.0	2500	—		
60	1400	840	0.04	1.7	2500	—		
60	1400	1120	0.03	1.3	2500	—		
60	1400	1680	0.02	0.83	2500	—		
60	1400	2100	0.02	0.67	2500	—		
70	900	245	0.07	3.7	2500	150		
70	900	350	0.05	2.6	2500	150		
70	900	420	0.04	2.1	2500	—		
70	900	560	0.04	1.6	2500	—		
70	900	700	0.03	1.3	2500	—		
70	900	840	0.03	1.1	2500	—		
70	900	1120	0.02	0.8	2500	—		
70	900	1680	0.02	0.54	2500	—		
70	900	2100	0.02	0.43	2500	—		
95	1400	240	0.13	5.8	3450	80	WG30/49	24
95	1400	315	0.11	4.4	3450	140		
95	1400	420	0.08	3.3	3450	—		
95	1400	540	0.07	2.6	3450	—		
95	1400	720	0.05	1.9	3450	—		
95	1400	900	0.05	1.6	3450	—		
95	1400	1120	0.04	1.3	3450	—		
95	1400	1440	0.04	0.97	3450	—		
95	1400	2160	0.03	0.65	3450	—		
95	1400	2700	0.03	0.52	3450	—		
100	900	240	0.09	3.8	3450	150	WG30/49	24
100	900	315	0.07	2.9	3450	150		
100	900	420	0.06	2.1	3450	—		
100	900	540	0.05	1.7	3450	—		
100	900	720	0.04	1.3	3450	—		
100	900	900	0.04	1.0	3450	—		
100	900	1120	0.03	0.80	3450	—		
100	900	1440	0.03	0.63	3450	—		
100	900	2160	0.02	0.42	3450	—		
100	900	2700	0.02	0.33	3450	—		

12.4 ABMESSUNGEN / OUTLINE DIMENSION SHEET

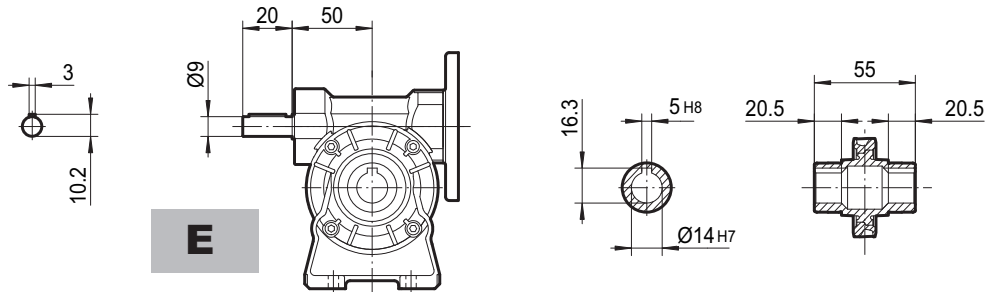
12.4.1 WG.. Abmessungen / Outline dimension

WG30..P(IEC)

Motorantriebsflansch B5 order B14 / *Input adapters* B5 or B14



Motoranbaufanschmit / Worm output shaft

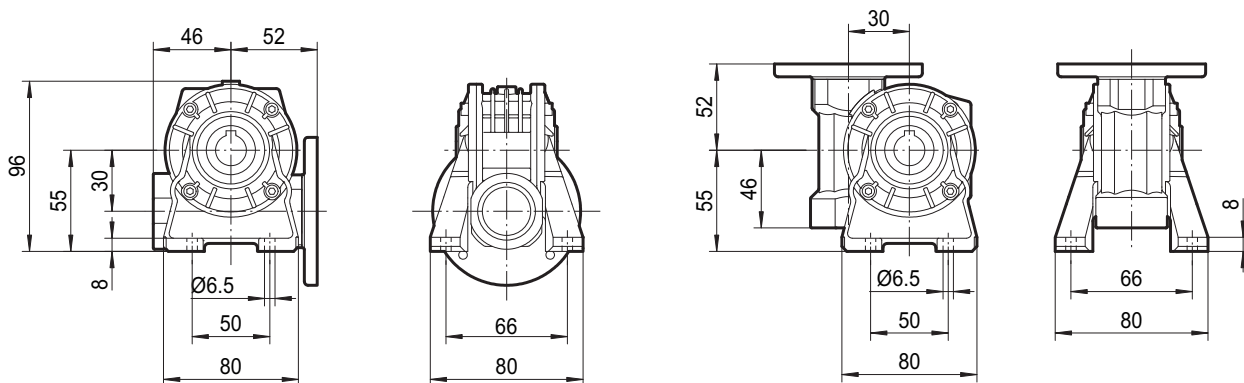


doppeltor Getriebeschneke

hohl Abtriebswelle

WG30N..

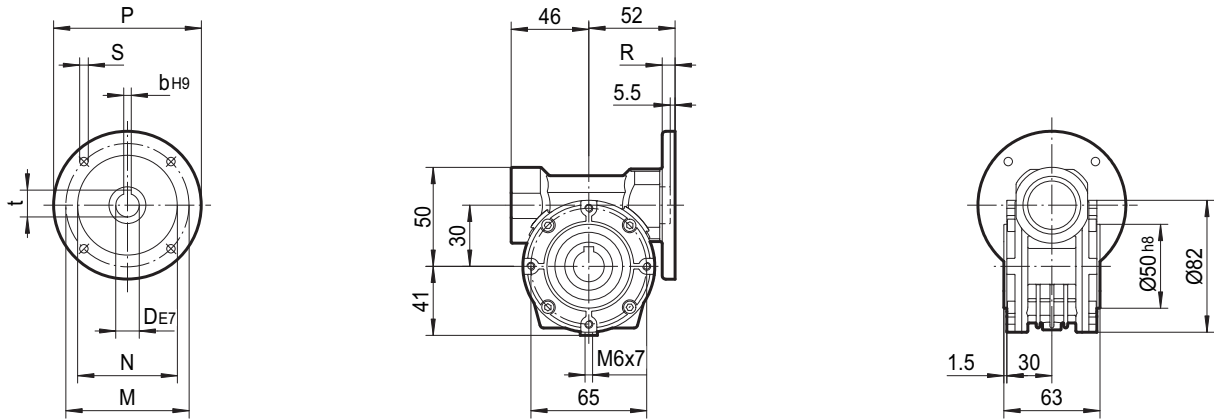
WG30V..



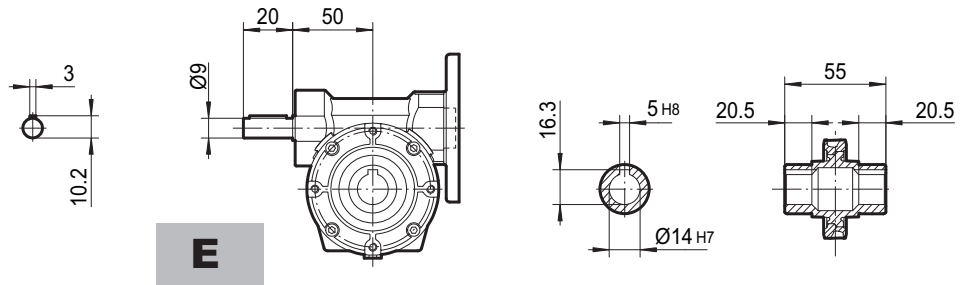
IEC	D _{E7}	b	t	P	M	N	R	S
56B5	9	3	10.4	120	100	80	7	7
56B14	9	3	10.4	80	65	50	7	5.5
63B5	11	4	12.8	140	115	95	8	9.5
63B14	11	4	12.8	90	75	60	7	5.5

WG30P..P(IEC)

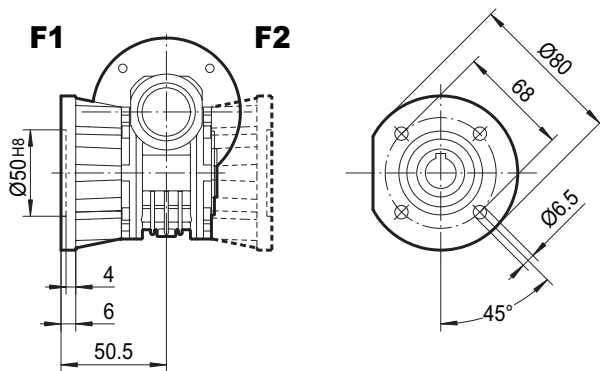
Eingang / Input adapters



Ausgang / Worm output shaft



WG30F..



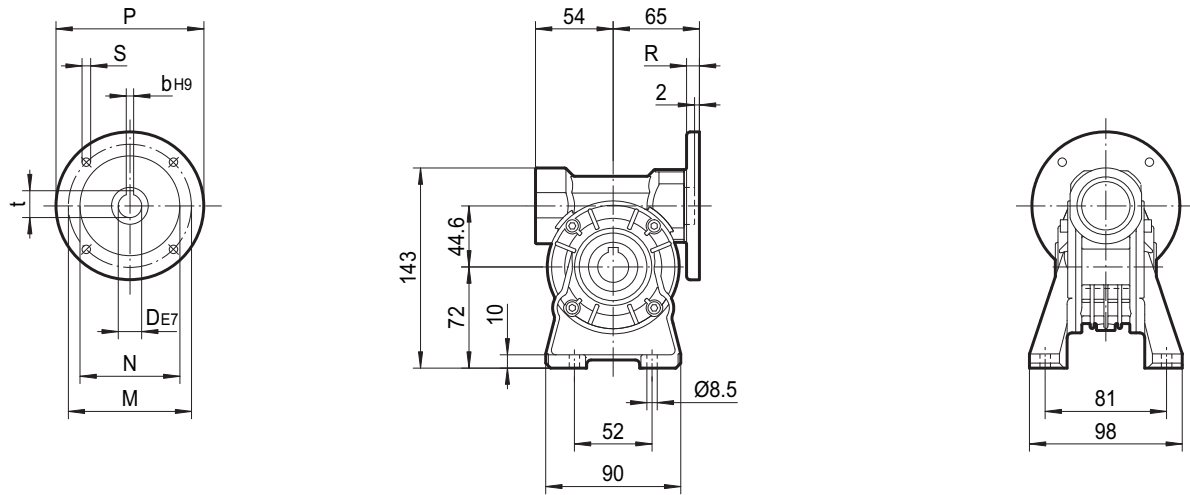
IEC	D _{E7}	b	t	P	M	N	R	S
56B5	9	3	10.4	120	100	80	7	7
56B14	9	3	10.4	80	65	50	7	5.5
63B5	11	4	12.8	140	115	95	8	9.5
63B14	11	4	12.8	90	75	60	7	5.5

WG44..P(IEC)

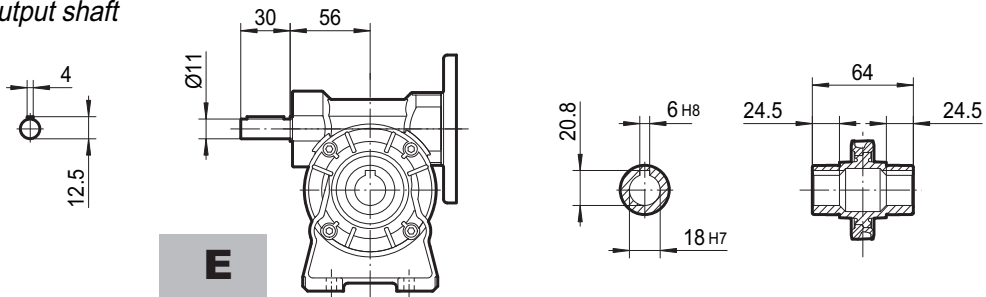
ABMESSUNGEN OUTLINE DIMENSION SHEET

WG44A..P(IEC)

Eingang / Input adapters

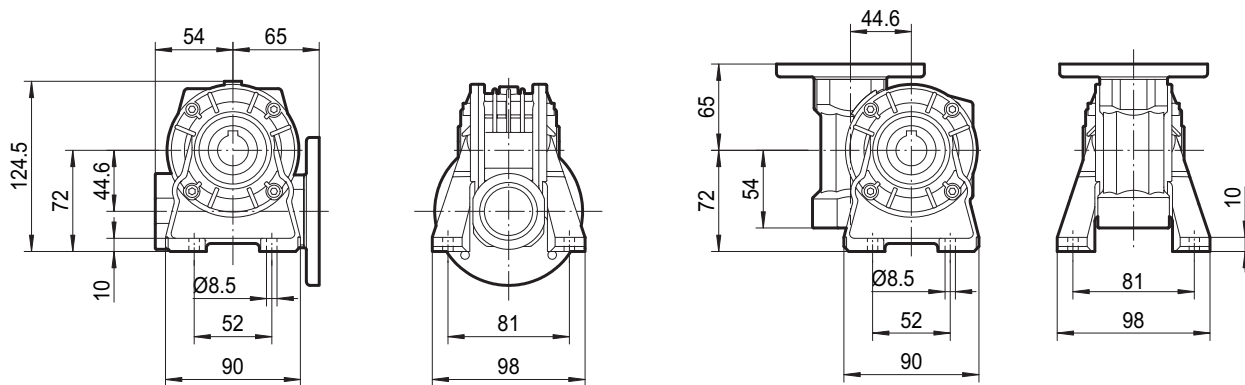


Ausgang / Worm output shaft



WG44N..

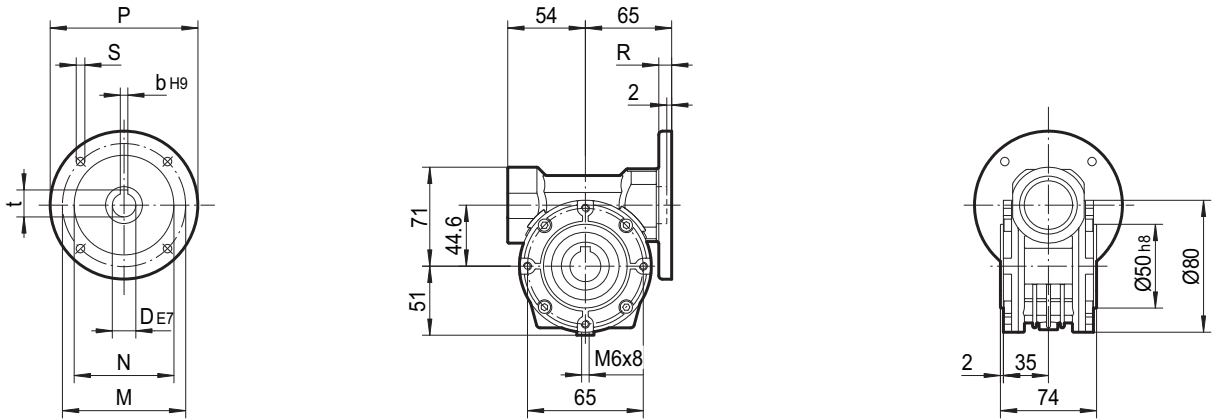
WG44V..



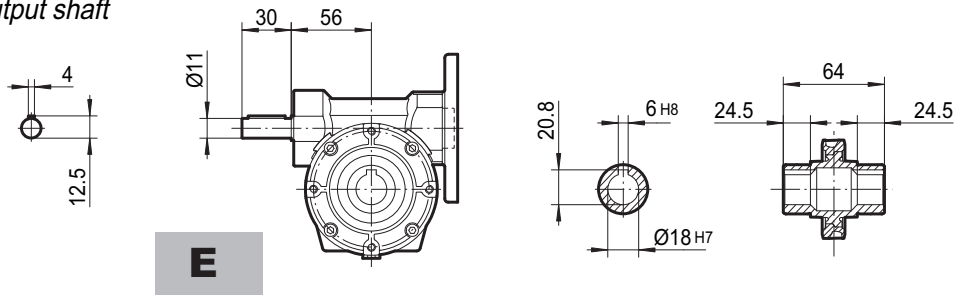
IEC	D E7	b	t	P	M	N	R	S
63B5	11	4	12.8	140	115	95	10	9.5
63B14	11	4	12.8	90	75	60	8	5.5
71B5	14	5	16.3	160	130	110	10	9.5
71B14	14	5	16.3	105	85	70	10	7

WG44P..P(IEC)

Eingang / Input adapters

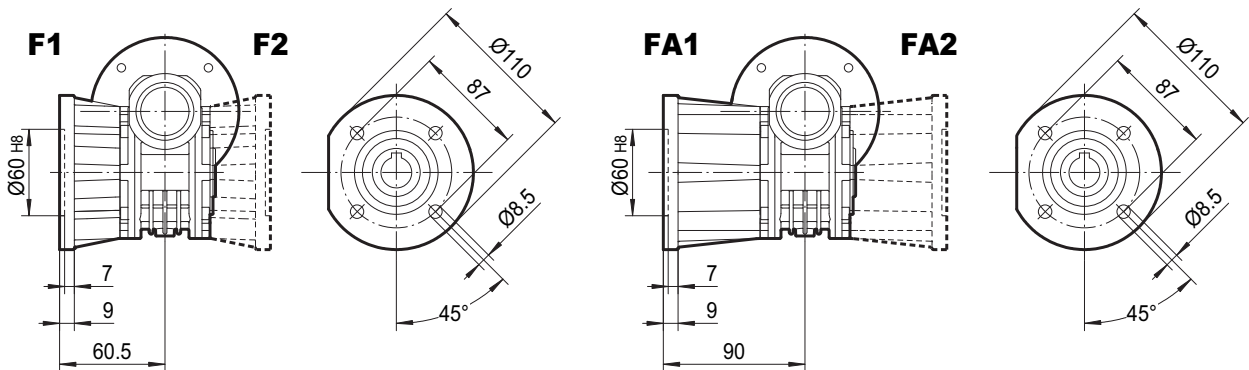


Ausgang / Worm output shaft



WG44F ..

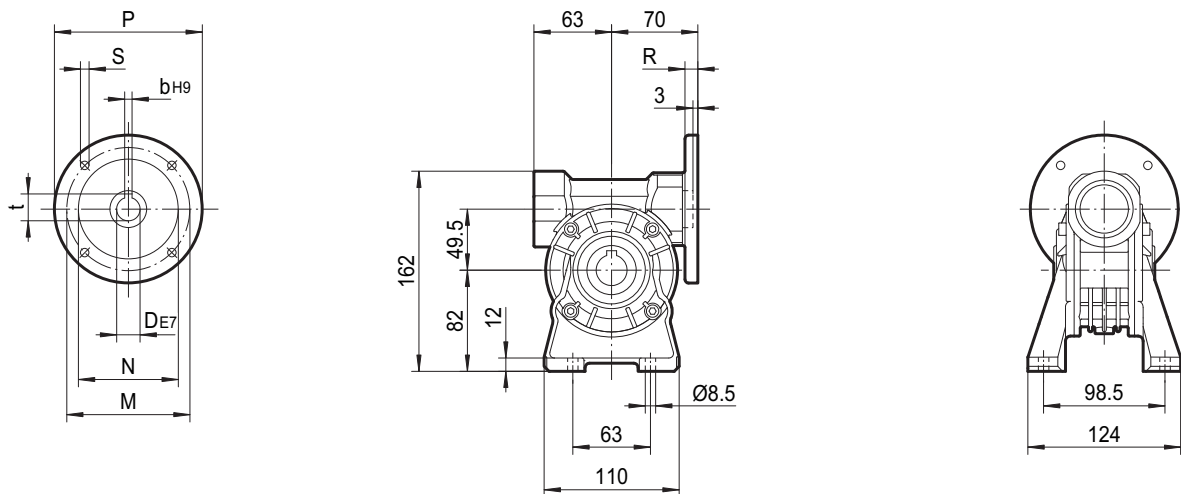
WG44FA..



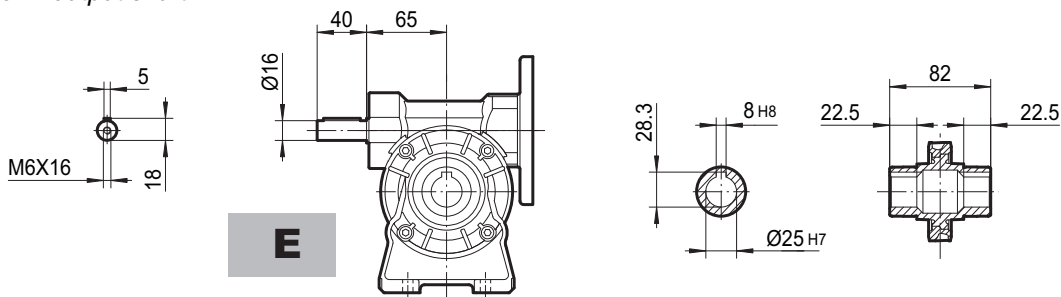
IEC	D _{E7}	b	t	P	M	N	R	S
63B5	11	4	12.8	140	115	95	10	9.5
63B14	11	4	12.8	90	75	60	8	5.5
71B5	14	5	16.3	160	130	110	10	9.5
71B14	14	5	16.3	105	85	70	10	7

WG49A..P(IEC)

Eingang / Input adapters

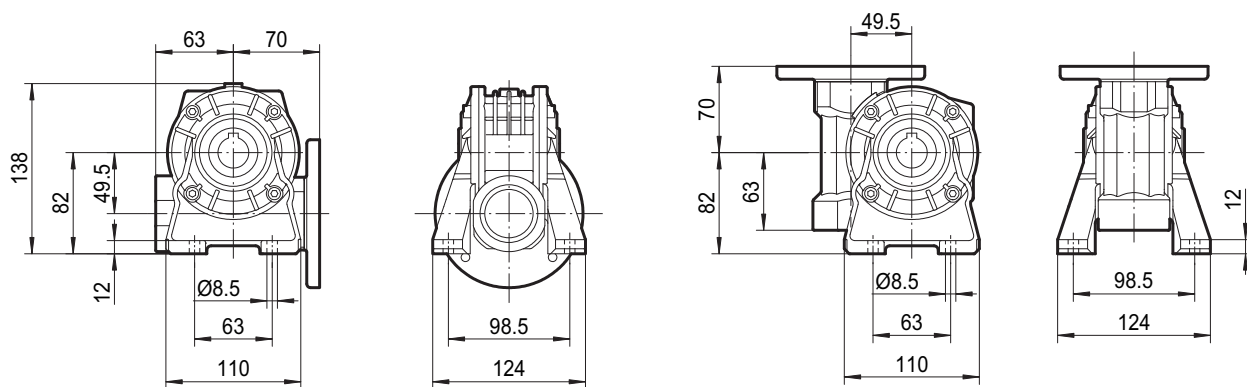


Ausgang / Worm output shaft



WG49N..

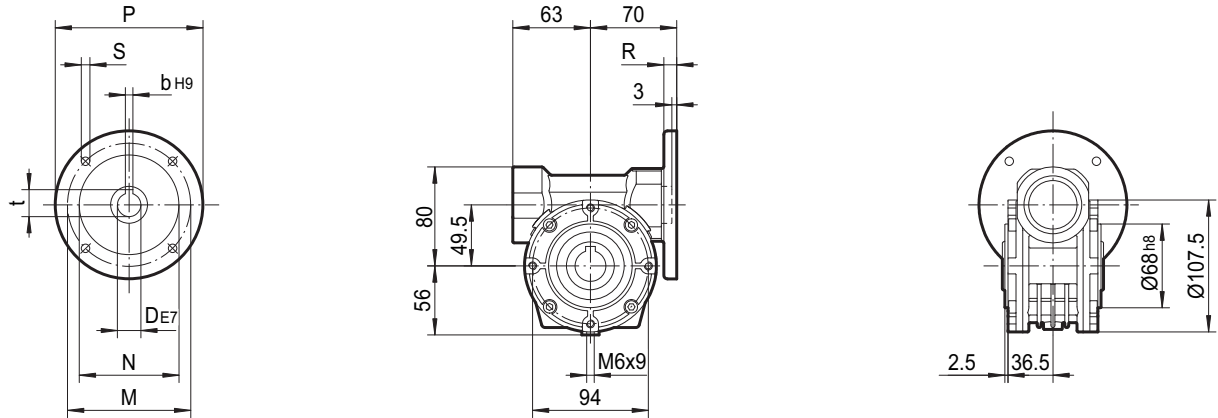
WG49V ..



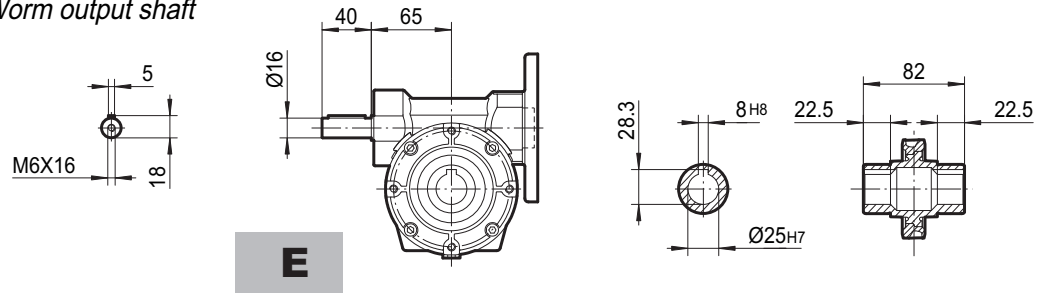
IEC	D _{E7}	b	t	P	M	N	R	S
63B5	11	4	12.8	140	115	95	10.5	9.5
63B14	11	4	12.8	90	75	60	7	6
71B5	14	5	16.3	160	130	110	10.5	9.5
71B14	14	5	16.3	105	85	70	10.5	6.5
80B5	19	6	21.8	200	165	130	10	11.5
80B14	19	6	21.8	120	100	80	10	7

WG49P..P(IEC)

Eingang / Input adapters

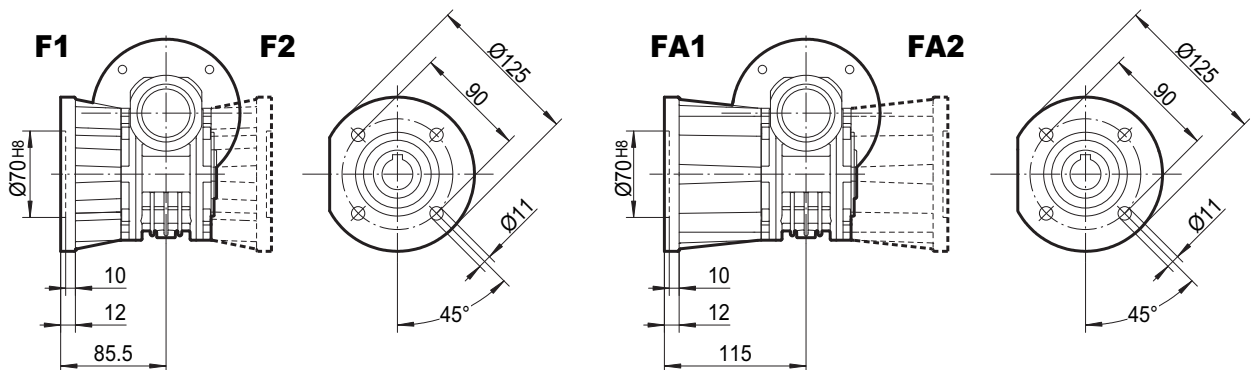


Ausgang / Worm output shaft



WG49F ..

WG49FA..



IEC	D _{E7}	b	t	P	M	N	R	S
63B5	11	4	12.8	140	115	95	10.5	9.5
63B14	11	4	12.8	90	75	60	7	6
71B5	14	5	16.3	160	130	110	10.5	9.5
71B14	14	5	16.3	105	85	70	10.5	6.5
80B5	19	6	21.8	200	165	130	10	11.5
80B14	19	6	21.8	120	100	80	10	7