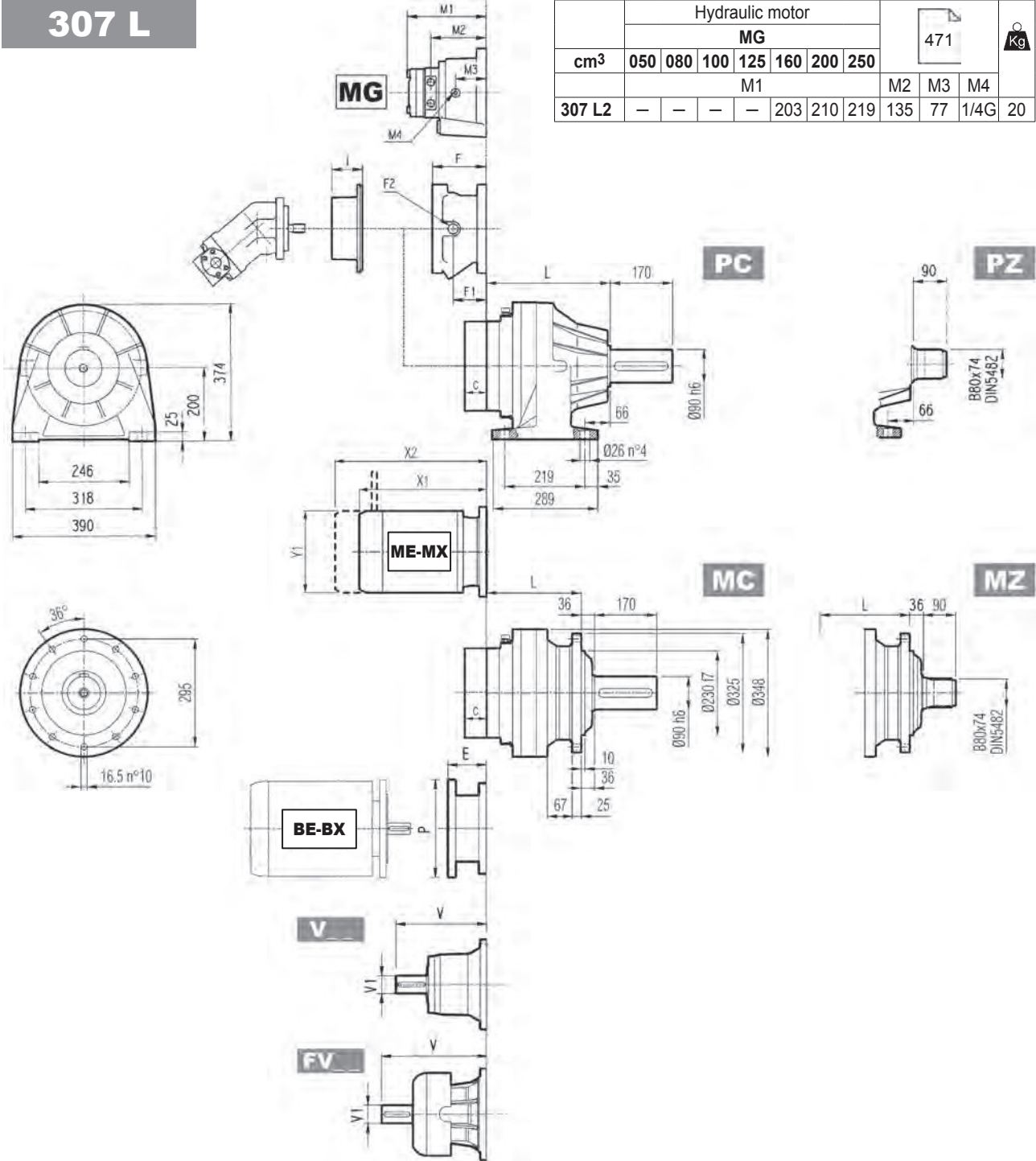


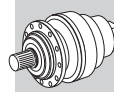
307 L

Hydraulic motor								471			Kg
MG											
cm ³	050	080	100	125	160	200	250				
M1								M2	M3	M4	
307 L2	-	-	-	-	203	210	219	135	77	1/4 G	20

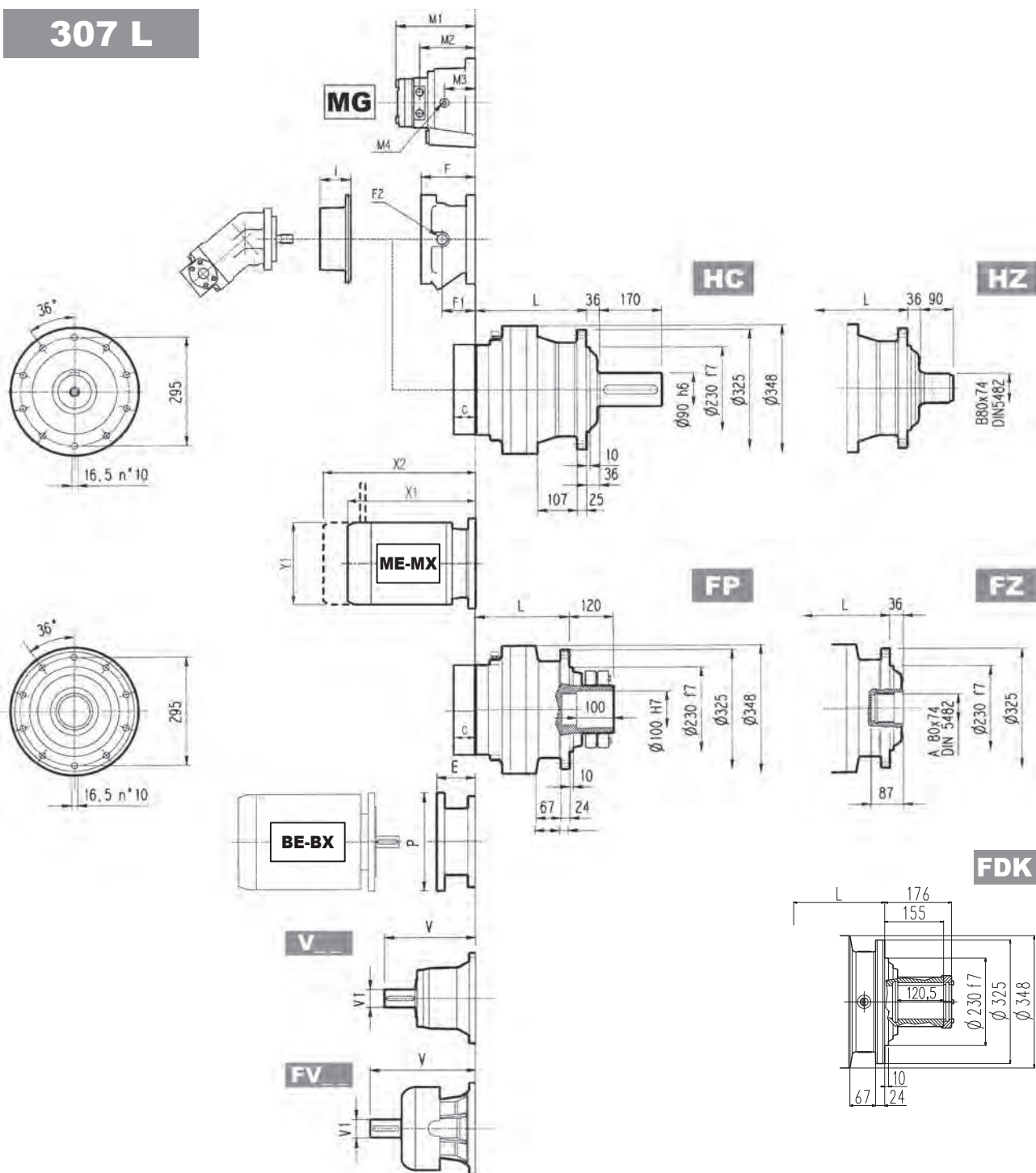


	L				Kg			
	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK
307 L1	165	246	210	165	85	120	105	85
307 L2	254	335	299	254	97	132	117	97
307 L3	319	400	364	319	104	139	124	104
307 L4	372	453	417	372	108	143	128	108

	V			Kg			V			Kg			C	Input	I	F	F1	F2	Type	Input	Kg
	V	V1	Kg	V	V1	Kg	V	V1	Kg	V	V1	Kg									
307 L1	315	80	35	313	60	28	375	80	48	363	60	34	51	B	461	201	153	1/4 G	6	B	28
307 L2	239	48	15	-	-	-	276	48	17	-	-	-	37	A	461	145	95	1/4 G	5	A	16
307 L3	137.5	24	6	158	38	7	-	-	-	-	-	-	37	A	461	105	65	1/4 G	4	A	10
307 L4	137.5	24	6	158	38	7	-	-	-	-	-	-	37	A	461	105	65	1/4 G	4	A	10



307 L

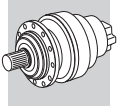


FP

$M_{2max} = 18200 \text{ Nm}$

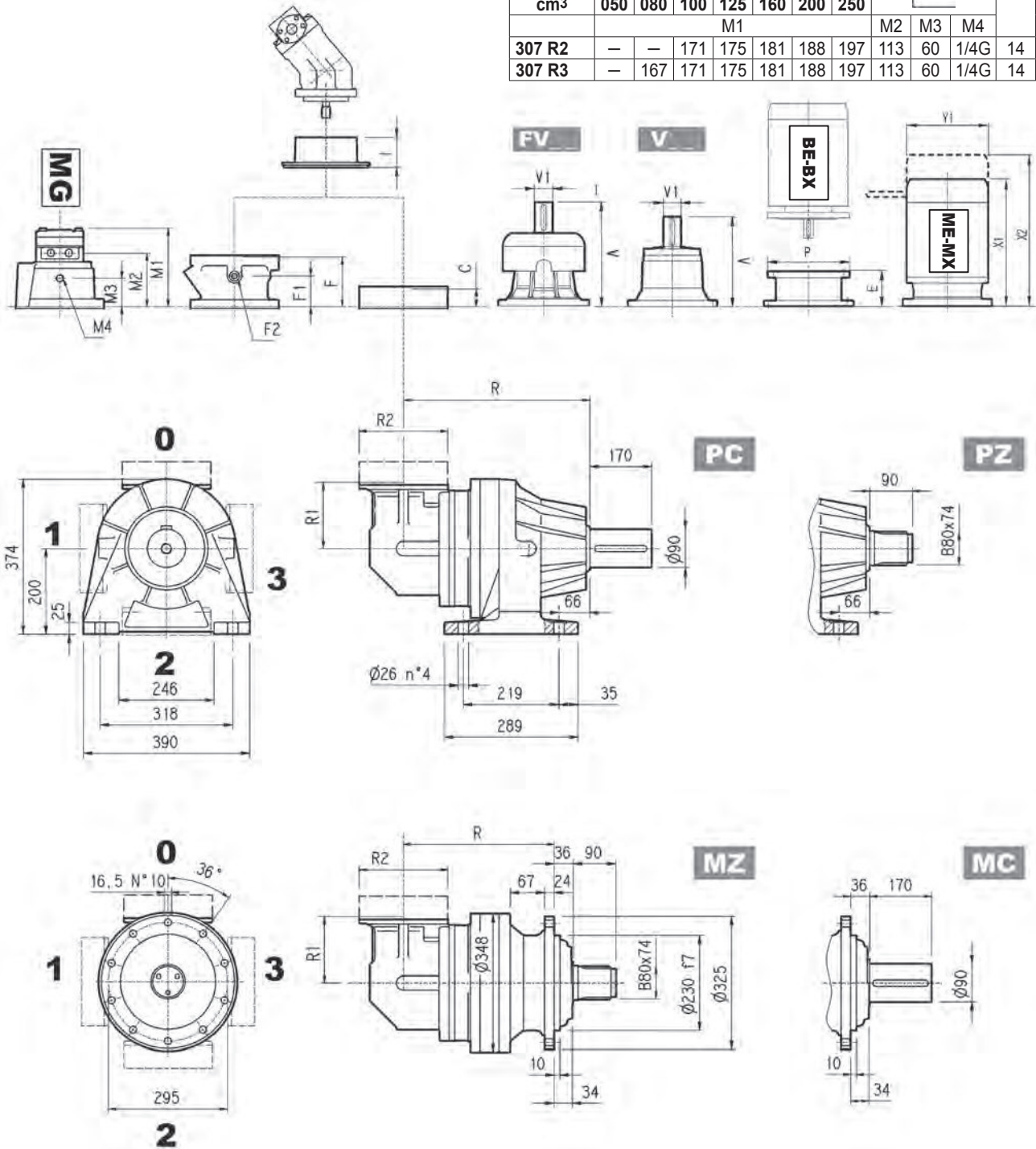
	P71		P80		P90		P100		P112		P132		P160		P180		P200		P225		P250	
	E	P	E	P	E	P	E	P	E	P	E	P	E	P	E	P	E	P	E	P	E	P
307 L1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	195	350	186	400	216	450	215	550
307 L2	—	—	—	—	—	—	—	—	—	—	114	300	144	350	144	350	174	400	—	—	—	—
307 L3	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—	—	—	—	—
307 L4	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—	—	—	—	—

	S1 + M1			S2 + ME2S/MX2S			S3 + ME3S/MX3S			S3 + ME3L/MX3L			S4 + ME4/MX4			S5 + ME5S/MX5S			S5 + ME5L/MX5L			
	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	
307 L1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
307 L2	—	—	—	—	—	—	—	—	—	—	—	—	—	460	—	258	552	—	310	596	—	310
307 L3	—	—	—	324	—	156	357	—	195	401	—	195	460	—	258	—	—	—	—	—	—	—
307 L4	253	314	138	324	—	156	357	—	195	401	—	195	460	—	258	—	—	—	—	—	—	—



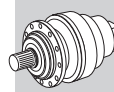
307 R

	Hydraulic motor							471	Kg		
	MG										
cm ³	050	080	100	125	160	200	250				
	M1							M2	M3	M4	
307 R2	—	—	171	175	181	188	197	113	60	1/4G	14
307 R3	—	167	171	175	181	188	197	113	60	1/4G	14

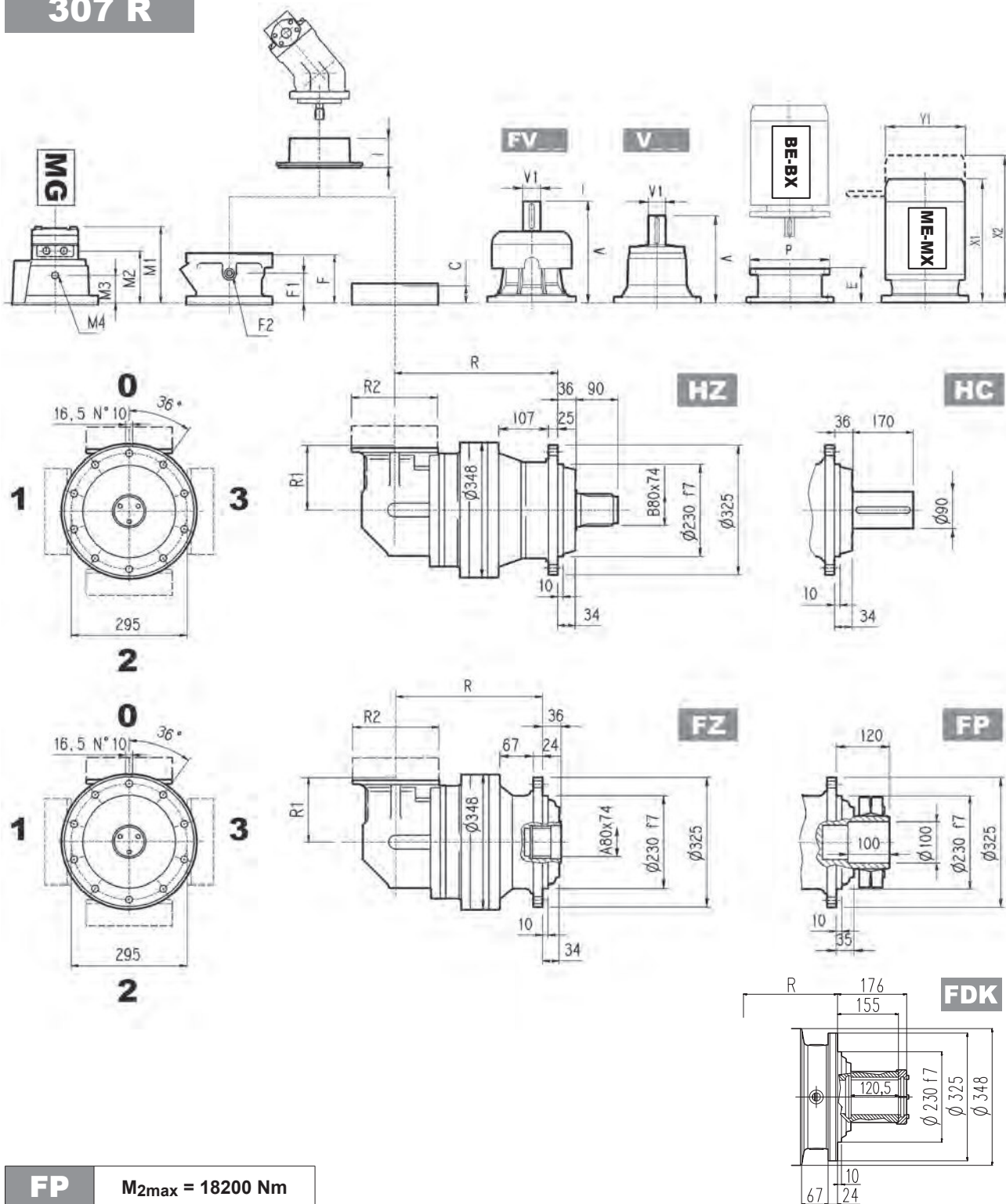


	R				R1	R2	Kg			
	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK			MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK
307 R2	284	365	329	284	225	245	135	170	155	135
307 R3	346	427	391	346	140	186	117	152	137	117
307 R4	411	492	456	411	122	186	118	153	138	118

	V			V			V			C			F			Type			Kg						
	V	V1	Kg	V	V1	Kg	V	V1	Kg	Input	I	F	F1	F2	Type	Input	Kg								
307 R2	239	48	15	—	—	—	276	48	17	—	—	37	A	—	—	—	—	—	—	145	95	1/4 G	5	A	16
307 R3	137.5	24	6	158	38	7	—	—	—	—	—	37	A	—	—	—	—	—	—	105	65	1/4 G	4	A	10
307 R4	137.5	24	6	158	38	7	—	—	—	—	—	37	A	461	—	—	—	—	—	105	65	1/4 G	4	A	10



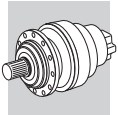
307 R



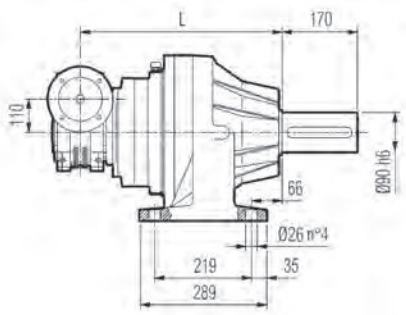
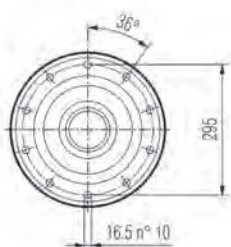
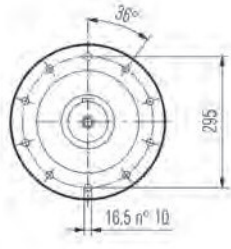
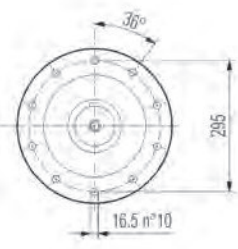
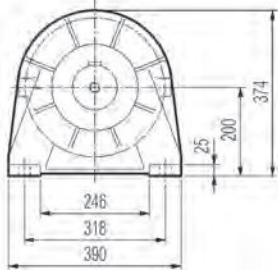
FP $M_{2max} = 18200 \text{ Nm}$

	P71		P80		P90		P100		P112		P132		P160		P180		P200	
	E	P	E	P	E	P	E	P	E	P	E	P	E	P	E	P	E	P
307 R2	—	—	—	—	—	—	—	—	—	—	114	300	144	350	144	350	174	400
307 R3	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—
307 R4	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—

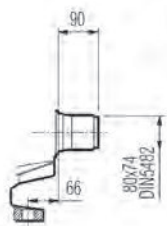
	S1 + M1			S2 + ME2S/MX2S			S3 + ME3S/MX3S			S3 + ME3L/MX3L			S4 + ME4/MX4			S5 + ME5S/MX5S			S5 + ME5L/MX5L		
	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1
307 R2	—	—	—	—	—	—	—	—	—	—	—	—	508	—	258	552	—	310	596	—	310
307 R3	253	314	138	372	—	156	405	—	195	449	—	195	508	—	258	—	—	—	—	—	—
307 R4	253	314	138	372	—	156	405	—	195	449	—	195	508	—	258	—	—	—	—	—	—



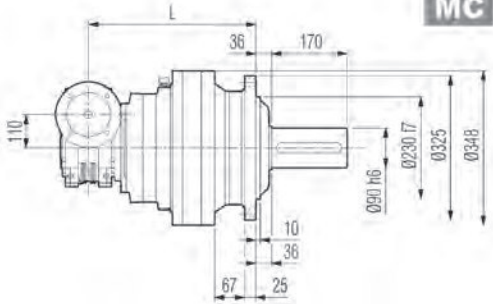
3/V 07 L3



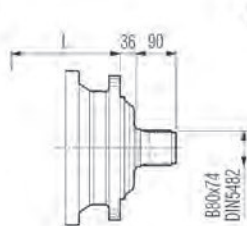
PC



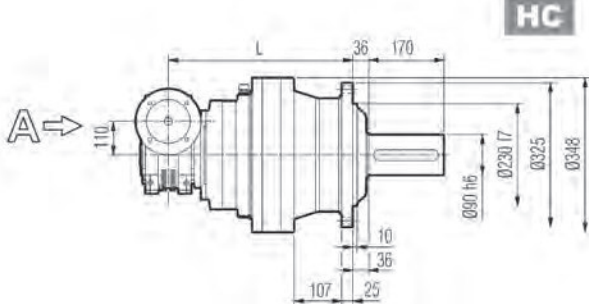
PZ



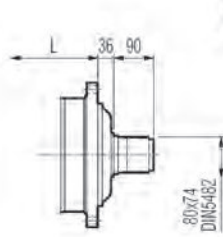
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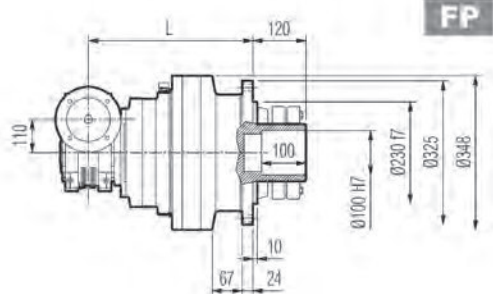
MZ



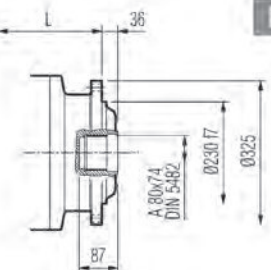
HC



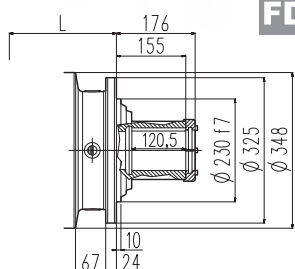
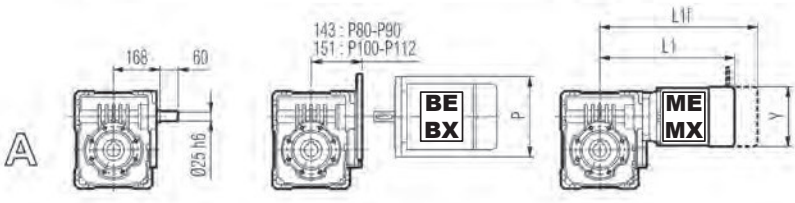
HZ



FP



FZ

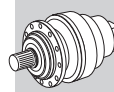


FDK

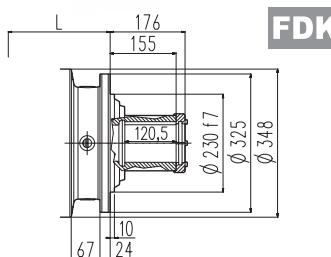
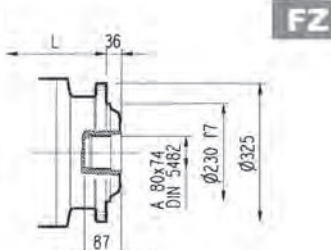
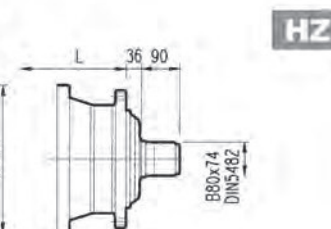
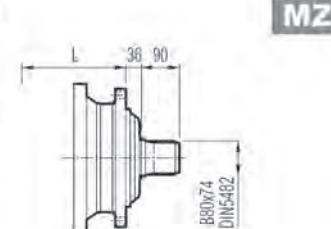
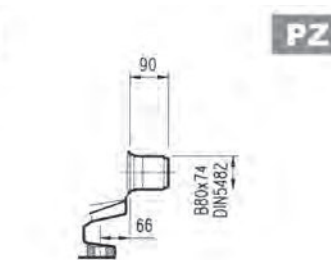
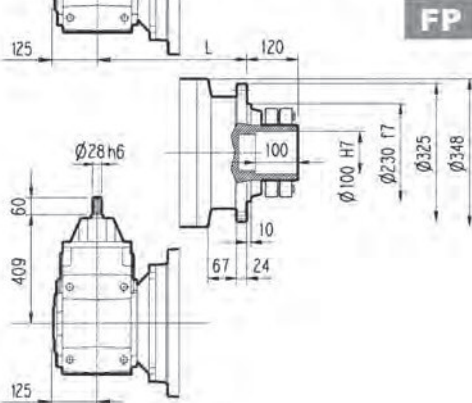
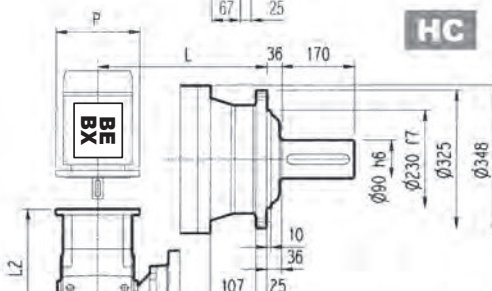
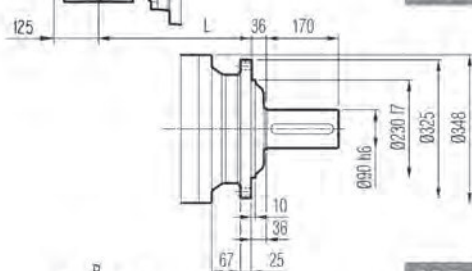
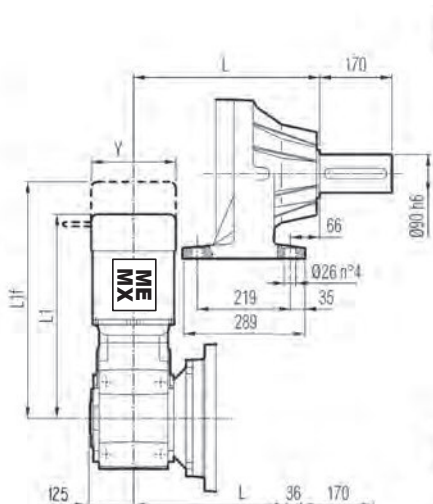
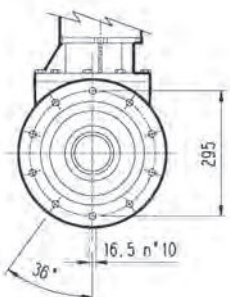
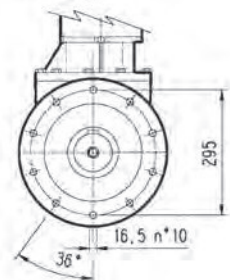
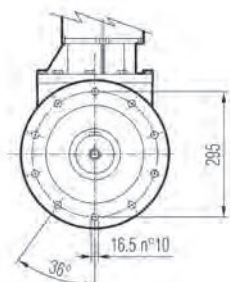
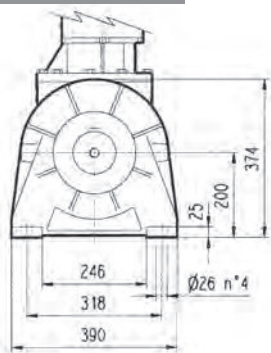
FP $M_{2max} = 18200 \text{ Nm}$

	L				K ₉	P80	P90	P100	P112			
	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK						MC - MZ	PC - PZ	HC - HZ
3/V 07 L3	414	495	459	414	130	165	150	130	200	200	250	250

	S2 + ME2S/MX2S			S3 + ME3S/MX3S			S3 + ME3L/MX3L		
	L1	L1f	Y	L1	L1f	Y	L1	L1f	Y
3/V 07 L3	408	—	156	439	—	195	483	—	195



3/A 07 L2

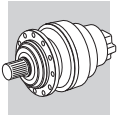


FP M_{2max} = 18200 Nm

3/A 07 L2	L				Kg			
	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK
	336	417	381	336	200	230	210	200

3/A 07 L2	P80		P90		P100		P112		P132		P160		P180	
	L2	P	L2	P	L2	P	L2	P	L2	P	L2	P	L2	P
	371	200	371	200	381	250	381	250	416.5	300	468	350	468	350

3/A 07 L2	S2 + ME2S/MX2S			S3 + ME3S/MX3S			S3 + ME3L/MX3L			S4 + ME4/MX4			S5 + ME5S/MX5S			S5 + ME5L/MX5L		
	L1	L1f	Y	L1	L1f	Y	L1	L1f	Y	L1	L1f	Y	L1	L1f	Y	L1	L1f	Y
	579	—	156	610.5	—	195	654.5	—	195	718.5	—	258	970	—	—	1014	—	—

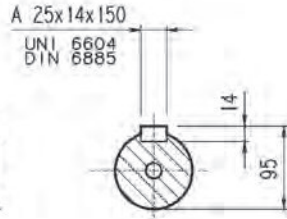
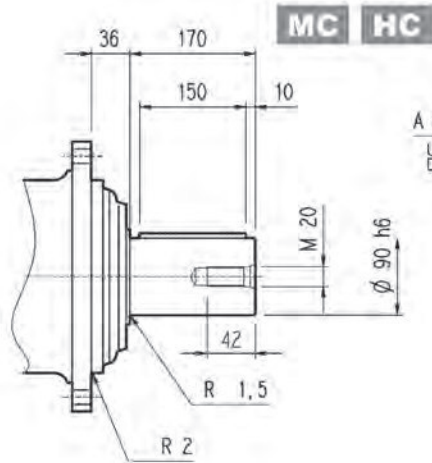


307 L

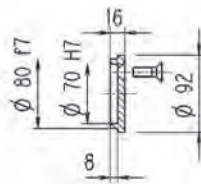
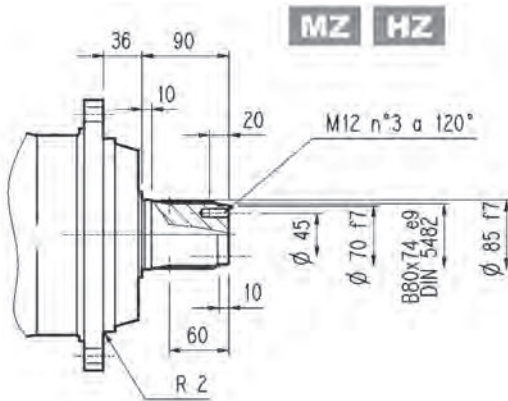
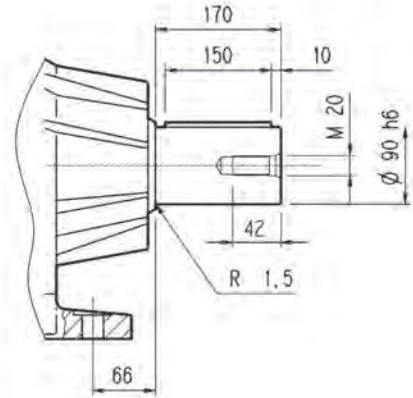
307 R

3/V 07 L3

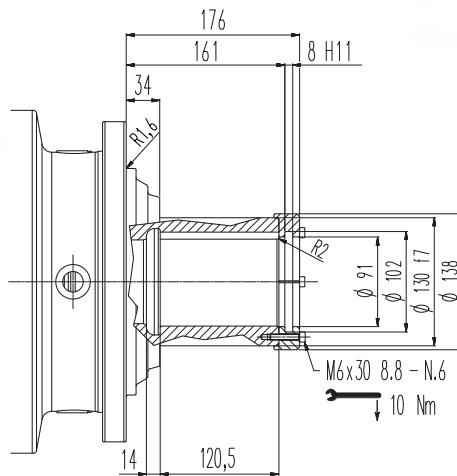
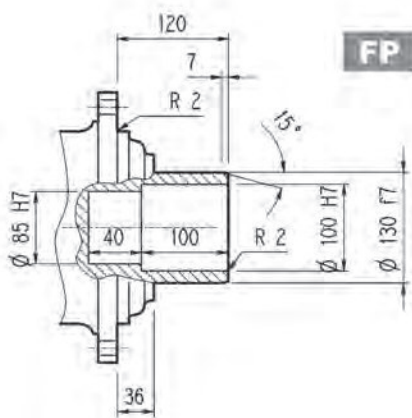
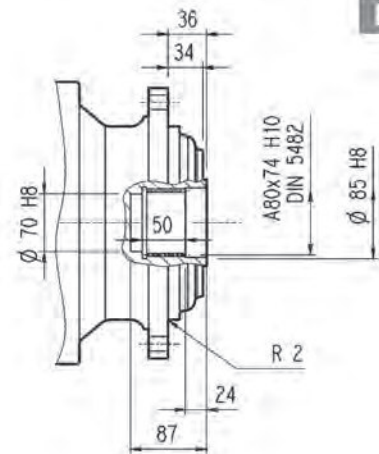
3/A 07 L2



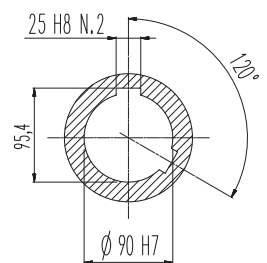
PC



FZ

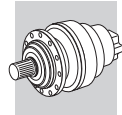


FDK



FP

$M_{2max} = 18200 \text{ Nm}$



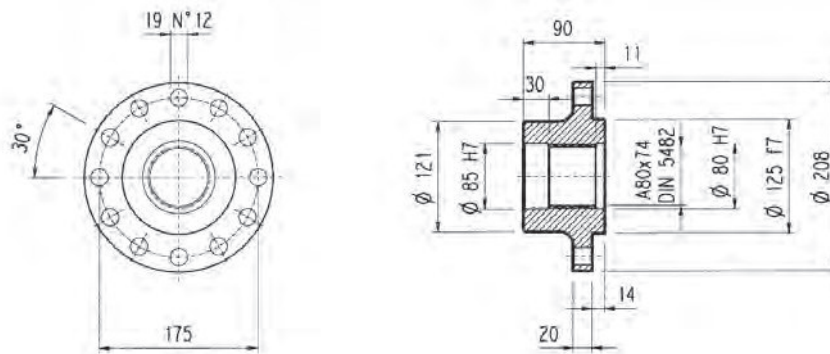
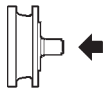
307 L

307 R

3/V 07 L3

3/A 07 L2

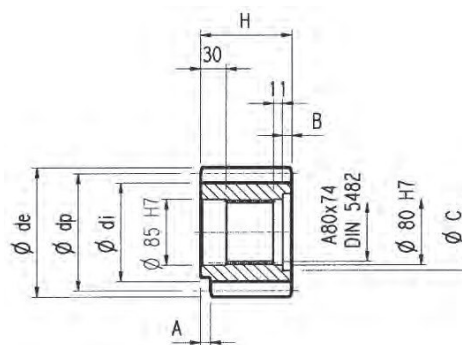
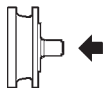
Flansch



W0A

Material: Stahl C40

Ritzel

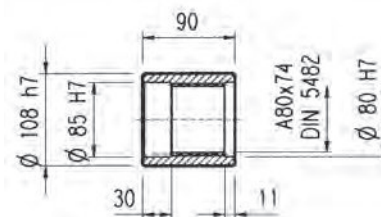
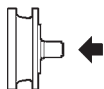


P...

$\alpha = 20^\circ$

	m	z	x	dp	di	de	H	A	B	C	Material
PFG	8	16	0.500	128	117	149.5	90	—	—	—	Vergüteter Stahl 39NiCrMo3
PHC	10	12	0.450	120	104	145	90	—	—	—	
PHE	10	14	0.320	140	121	165	116	13	26	95	
PHF	10	15	0.150	150	130	171.5	107	20	17	100	
PHG	10	16	0.500	160	145	186	90	—	—	—	Einsatzstahl 18NiCrMo5 Einsatzgehärtet
PHH1	10	17	—	170	145	189	90	—	—	—	
PHH2	10	17	0.500	170	154	198	90	—	—	—	
PLD	12	13	0.500	156	138	192	102	—	12	95	Vergüteter Stahl 39NiCrMo3
PLE	12	14	0.500	168	150	199.2	90	—	—	—	
PLI	12	18	0.500	216	198	249.6	107	7	17	95	
PLT	12	26	—	312	282	336	90	10	—	—	Einsatzstahl 18NiCrMo5 Einsatzgehärtet

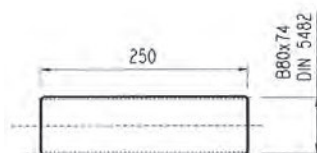
Naben



M0A

Material: Stahl 16CrNi4

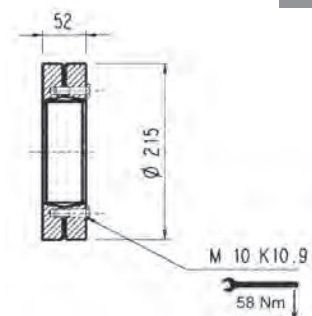
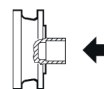
Vielkeilwellen



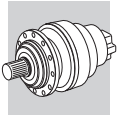
B0A

Material: Einsatzstahl 18NiCrMo5 UNI 5331
muss einsatzgehärtet werden 50-55 HRC

Schrumpfscheibe

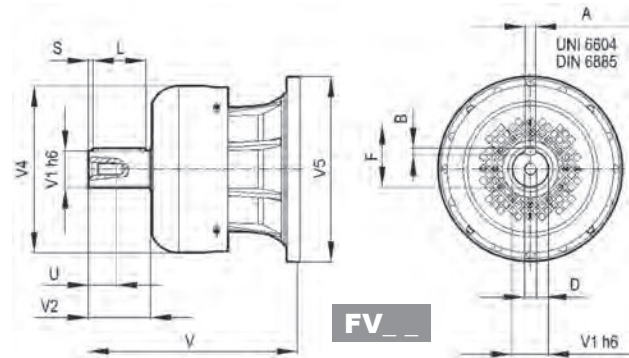
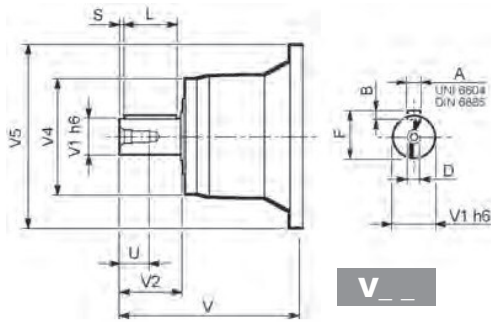


G0A



307 L

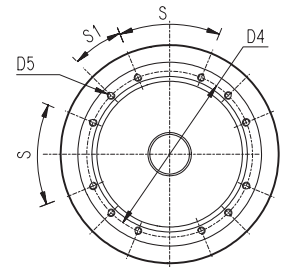
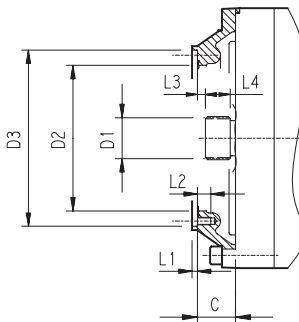
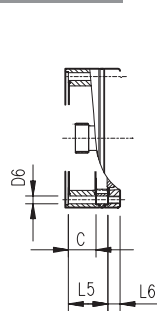
307 R



		V	V1	V2	V4	V5	A	B	F	L	S	D	U
307 L1	V07B	315	80	130	200	345	22	14	85	110	10	M16	36
	FV07B	375	80	130	347.5	348	22	14	85	110	10	M16	36
	V07A	313	60	105	155	345	18	11	64	90	7.5	M16	36
	FV07A	363	60	105	309	348	18	11	64	90	7.5	M16	36
307 L2	V05B	239	48	82	155	245	14	9	51.5	70	6	M16	36
	FV05B	276	48	82	219.5	244	14	9	51.5	70	6	M16	36
307 L3	V01A	137.5	24	36	120	186	8	7	27	30	3	M8	19
	V01B	158	38	58	120	186	10	8	41	50	4	M12	28
307 L4	V01A	137.5	24	36	120	186	8	7	27	30	3	M8	19
	V01B	158	38	58	120	186	10	8	41	50	4	M12	28
307 R2	V05B	239	48	82	155	245	14	9	51.5	70	6	M16	36
	FV05B	276	48	82	219.5	244	14	9	51.5	70	6	M16	36
307 R3-R4	V01A	137.5	24	36	120	186	8	7	27	30	3	M8	19
	V01B	158	38	58	120	186	10	8	41	50	4	M12	28

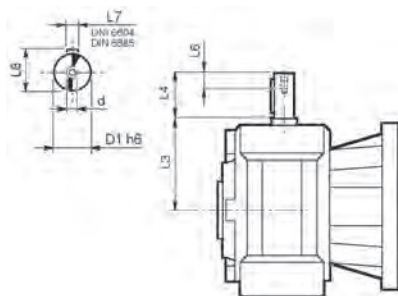
307 L

307 R

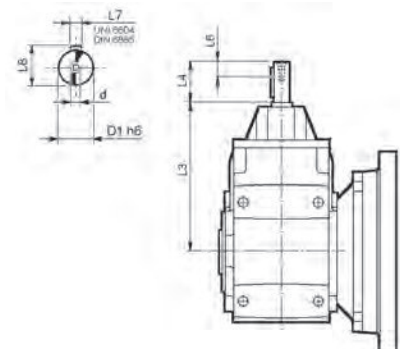


		C	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	S	S1	Input
307 L1	V9AB	51	58x53 DIN 5482	195	236 H7	222	M10 n°12	—	4	18	11	22	—	—	45°	22.5°	B
307 L2	V9AA	37	40x36 DIN 5482	140	178 H7	165	M10 n°8	—	4	18	9	18	—	—	45°	45°	A
307 L3	V9AA	37	40x36 DIN 5482	140	178 H7	165	M10 n°8	11	4	—	9	18	65	18	45°	45°	A
307 L4	V9AA	37	40x36 DIN 5482	140	178 H7	165	M10 n°8	11	4	—	9	18	118	18	45°	45°	A
307 R2	V9AA	37	40x36 DIN 5482	140	178 H7	165	M10 n°8	11	4	18	9	18	—	—	45°	45°	A
307 R3-R4	V9AA	37	40x36 DIN 5482	140	178 H7	165	M10 n°8	11	4	—	9	18	37	18	45°	45°	A

3/V 07 L3

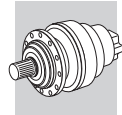


3/A 07 L2



	D1 h6	L3	L4	L6	L7	L8	d
3/V 07 L3_HS	25	168	60	19	8	28	M8

	D1 h6	L3	L4	L6	L7	L8	d
3/A 07 L2_HS	28	409	60	22	8	31	M10



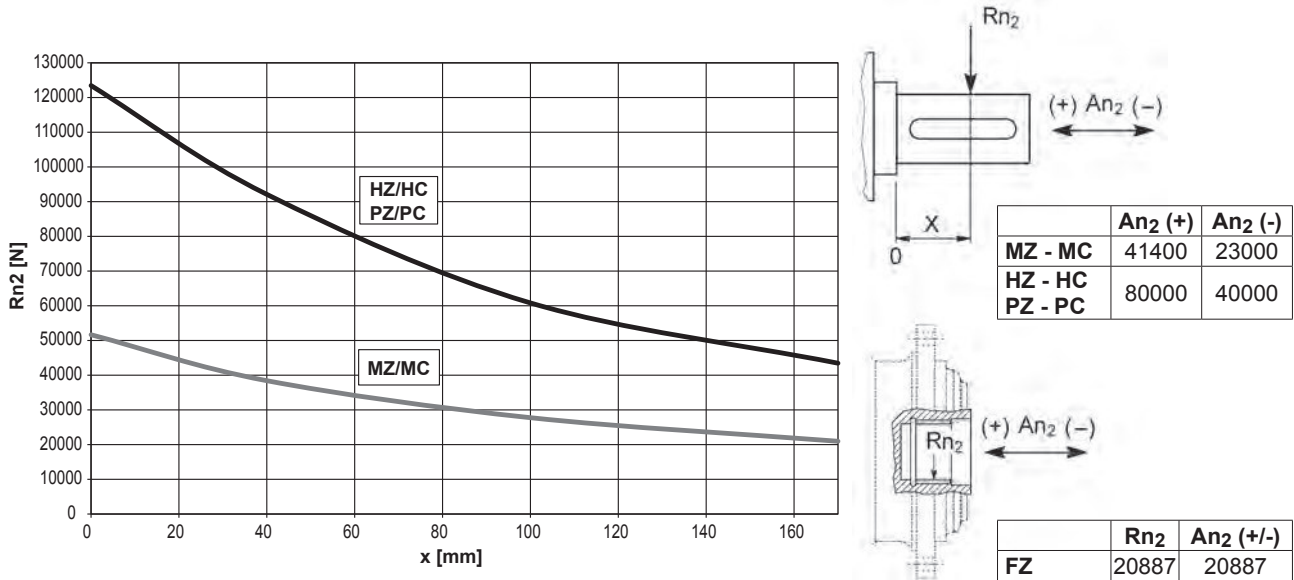
307 L

307 R

3/V 07 L3

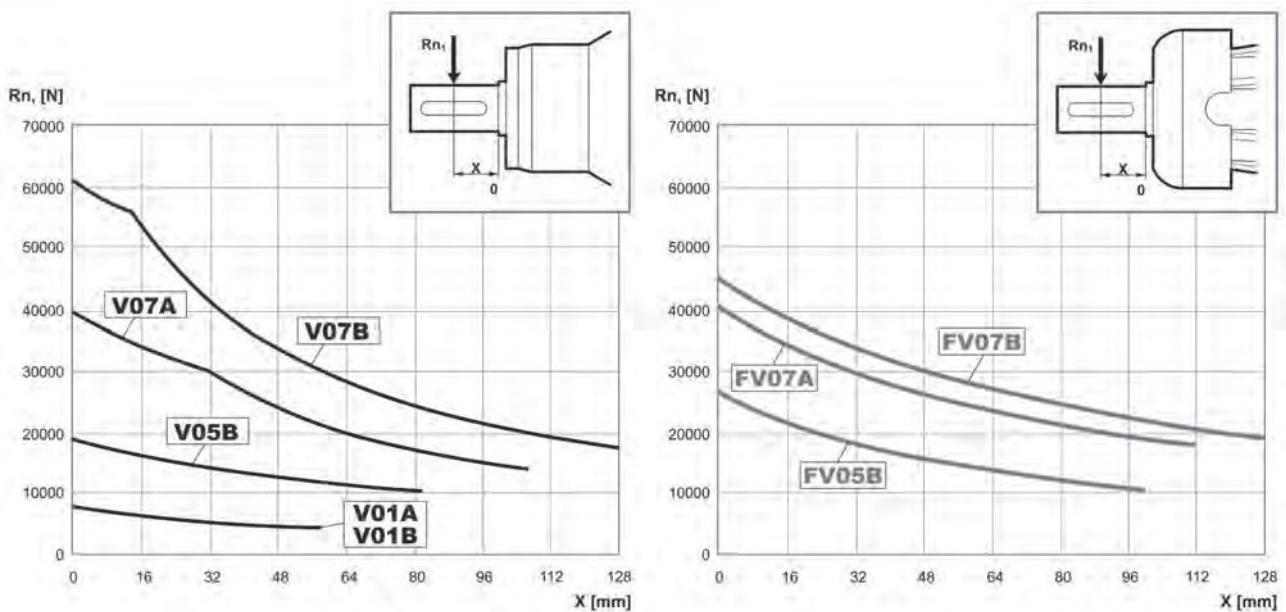
3/A 07 L2

An der Abtriebswelle zulässige Radial- und Axialkräfte für einen Wert von $F_{h2} : n_2 \cdot h = 100000$

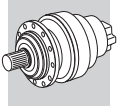


Korrekturfaktor f_{h2} für Wellenbelastungen	$F_{h2} = n_2 \cdot h$		10000	25000	50000	100000	500000	1000000	
	f_{h2}	FZ		2.15	1.59	1.26	1.00	0.58	0.46
		MZ - MC		2.15	1.59	1.26	1.00	0.58	0.46
HZ - HC - PZ - PC		1.49	1.49	1.23	1.00	0.62	0.50		

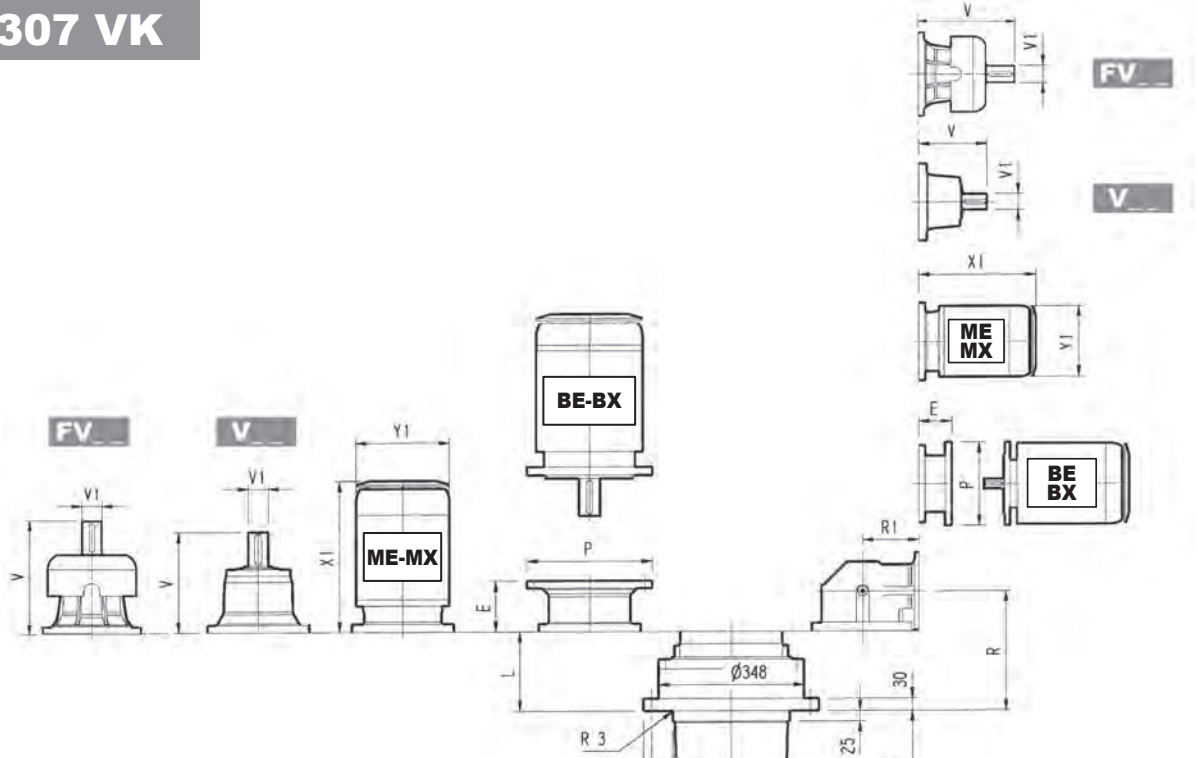
An der Antriebswelle zulässige Radiallasten für einen Wert von $F_{h1} : n_1 \cdot h = 250000$



Korrekturfaktor f_{h1} für Wellenbelastungen	$F_{h1} = n_1 \cdot h$		250000	500000	1000000	2000000	5000000	10000000
	f_{h1}			1	0.79	0.63	0.50	0.37



307 VK



307 L_VK

307 R_VK

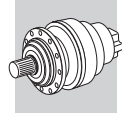
A 321154200
UNI 6604-59 / DIN 6885

	L													P71		P80		P90		P100		P112		P132		P160		P180		P200		P225		P250	
		kg	V	VI	kg	V	VI	kg	V	VI	kg	V	VI	kg	V	VI	kg	V	VI	kg	V	VI	E	P	E	P	E	P	E	P	E	P	E	P	
307 L1	80	145	315	80	35	313	60	28	375	80	48	363	60	34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
307 L2	169	160	239	48	15	—	—	—	276	48	17	—	—	—	—	—	—	—	—	—	—	114	300	144	350	144	350	174	400	—	—	—	—	—	
307 L3	234	170	137.5	24	6	158	38	7	—	—	—	—	—	—	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—	—	—	
307 L4	287	175	137.5	24	6	158	38	7	—	—	—	—	—	—	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—	—	—	

	S1 + M1			S2 + ME2S/MX2S			S3 + ME3S/MX3S			S3 + ME3L/MX3L			S4 + ME4/MX4			S5 + ME5S/MX5S			S5 + ME5L/MX5L					
	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1			
307 L1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
307 L2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	460	—	258	552	—	310	596	—	310
307 L3	—	—	—	324	—	156	357	—	195	401	—	195	460	—	258	—	—	—	—	—	—	—	—	—
307 L4	253	314	138	324	—	156	357	—	195	401	—	195	460	—	258	—	—	—	—	—	—	—	—	—

	R	R1													P71		P80		P90		P100		P112		P132		P160		P180		P200			
			kg	V	VI	kg	V	VI	kg	V	VI	kg	V	VI	kg	V	VI	kg	V	VI	kg	V	VI	E	P	E	P	E	P	E	P	E	P	
307 R2	199	225	180	239	48	15	—	—	—	276	48	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
307 R3	261	140	170	137.5	24	6	158	38	7	—	—	—	—	—	—	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—	
307 R4	326	122	175	137.5	24	6	158	38	7	—	—	—	—	—	—	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—	—

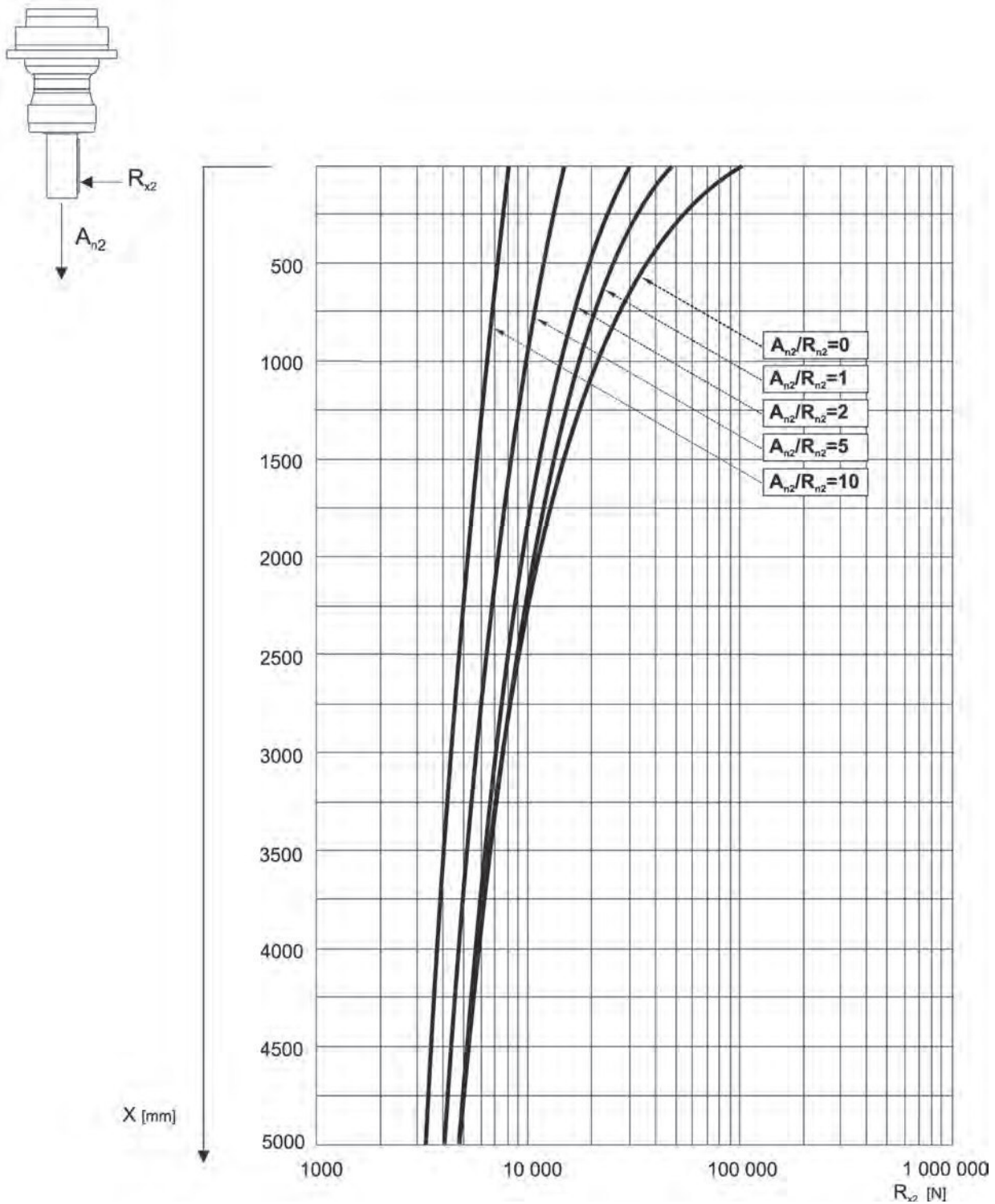
	S1 + M1			S2 + ME2S/MX2S			S3 + ME3S/MX3S			S3 + ME3L/MX3L			S4 + ME4/MX4			S5 + ME5S/MX5S			S5 + ME5L/MX5L					
	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1			
307 R2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	508	—	258	552	—	310	596	—	310
307 R3	253	314	138	372	—	156	405	—	195	449	—	195	508	—	258	—	—	—	—	—	—	—	—	—
307 R4	253	314	138	372	—	156	405	—	195	449	—	195	508	—	258	—	—	—	—	—	—	—	—	—



307 VK

Das nachstehende Diagramm ermöglicht das Berechnen der zulässigen, auf die Welle des Getriebes einwirkende externe Radialkraft, die sich auf die Distanz x von der Wellenschulter bezieht.



Die Kurven beziehen sich auf den Wert, der sich aus dem Verhältnis zwischen der Axialkraft A_{n2} und der Radialkraft R_{n2} für $n_2 = 10 \text{ min}^{-1}$ und einer Dauer von 10000 Std. ergibt.

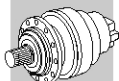


307 L

314

15680 Nm

	i	M_{n2} [Nm]						P_1	P_t	n_1	n_{1max}	M_b		M_{2max}
		$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$							
	1:	10000	25000	50000	100000	500000	1000000							
L1	3.43	9000	9000	9000	9000	8300	7960	115	22	1500	2500	3200	6L	18600
	4.09	15680	14890	14890	13510	9560	7770	115	22	1500	2500	3200	6L	21000
	5.25	14840	12700	11300	10790	9340	7590	115	22	1500	2500	3200	6L	21000
	6.23	11000	9600	8700	8700	8240	7490	115	22	1500	2500	2100	6G	21000
L2	12.3	9000	9000	9000	9000	8300	7960	60	18	1800	3800	1000	5K	18600
	14.7	15680	14890	14890	13510	9560	7770	60	18	1800	3800	800	5G	21000
	17.4	15680	14890	14890	13510	9560	7770	60	18	1800	3800	1000	5K	21000
	21.8	15680	14890	14890	13510	9560	7770	60	18	1800	3800	800	5G	21000
	25.4	14670	14010	14010	13510	9560	7770	60	18	1800	3800	630	5E	21000





307 L

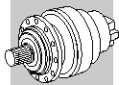


314

15680 Nm

	i	M _{n2} [Nm]						P ₁	P _t	n ₁	n _{1max}	M _b		M _{2max}
		n ₂ ·h 10000	n ₂ ·h 25000	n ₂ ·h 50000	n ₂ ·h 100000	n ₂ ·h 500000	n ₂ ·h 1000000							
L2	28.0	14840	12700	11300	10790	9340	7590	60	18	1800	3800	500	5C	21000
	30.7	12300	12300	12300	12300	9560	7770	60	18	1800	3800	500	5C	21000
	32.6	14840	12700	11300	10790	9340	7590	60	18	1800	3800	500	5C	21000
	38.6	11000	9600	8700	8700	8240	7490	46	18	1800	3800	400	5B	21000
	46.7	11000	9600	8700	8700	8240	7490	39	18	1800	3800	400	5B	21000
L3	51.3	15680	14890	14890	13510	9560	7770	30	11	2000	4000	330	4H	21000
	60.5	15680	14890	14890	13510	9560	7770	30	11	2000	4000	330	4H	21000
	74.1	15680	14890	14890	13510	9560	7770	30	11	2000	4000	260	4F	21000
	80.6	14840	12700	11300	10790	9340	7590	30	11	2000	4000	260	4F	21000
	93.0	15680	14890	14890	13510	9560	7770	30	11	2000	4000	260	4F	21000
	100	15680	14890	14890	13510	9560	7770	30	11	2000	4000	260	4F	21000
	113	14840	12700	11300	10790	9340	7590	26	11	2000	4000	160	4D	21000
	126	15680	14890	14890	13510	9560	7770	26	11	2000	4000	160	4D	21000
	139	14840	12700	11300	10790	9340	7590	22	11	2000	4000	160	4D	21000
	146	15000	14010	14010	13510	9560	7770	23	11	2000	4000	160	4D	21000
	162	14840	12700	11300	10790	9340	7590	19.4	11	2000	4000	100	4B	21000
	177	12300	12300	12300	12300	9560	7770	15.9	11	2000	4000	100	4B	21000
	202	14840	12700	11300	10790	9340	7590	15.9	11	2000	4000	100	4B	21000
	221	15000	13800	12900	12500	9560	7770	15.6	11	2000	4000	100	4B	21000
	239	11000	9600	8700	8700	8240	7490	10.5	11	2000	4000	50	4A	21000
	284	14330	12700	11300	10790	9340	7590	11.3	11	2000	4000	50	4A	21000
	336	11000	9600	8700	8700	8240	7490	7.5	11	2000	4000	50	4A	21000
L4	349	15680	14890	14890	13510	9560	7770	10.2	7.5	2000	4000	50	4A	21000
	406	14840	12700	11300	10790	9340	7590	8.2	7.5	2000	4000	50	4A	21000
	465	14840	12700	11300	10790	9340	7590	7.1	7.5	2000	4000	50	4A	21000
	509	15000	14010	14010	13510	9560	7770	7.0	7.5	2000	4000	50	4A	21000
	579	15680	14890	14890	13510	9560	7770	6.1	7.5	2000	4000	50	4A	21000
	654	14840	12700	11300	10790	9340	7590	5.1	7.5	2000	4000	50	4A	21000
	722	15680	14890	14890	13510	9560	7770	4.9	7.5	2000	4000	50	4A	21000
	801	14840	12700	11300	10790	9340	7590	4.1	7.5	2000	4000	50	4A	21000
	906	15680	14890	14890	13510	9560	7770	3.9	7.5	2000	4000	50	4A	21000
	999	14840	12700	11300	10790	9340	7590	3.3	7.5	2000	4000	50	4A	21000
	1157	14840	12700	11300	10790	9340	7590	2.9	7.5	2000	4000	50	4A	21000
	1274	12300	12300	12300	12300	9560	7770	2.3	7.5	2000	4000	50	4A	21000
	1408	15680	14890	14890	13510	9560	7770	2.5	7.5	2000	4000	50	4A	21000
	1591	15000	13800	12900	12500	9560	7770	2.2	7.5	2000	4000	50	4A	21000
	1767	15680	14890	14890	13510	9560	7770	2.0	7.5	2000	4000	50	4A	21000
	2041	14330	12700	11300	10790	9340	7590	1.6	7.5	2000	4000	50	4A	21000
	2423	11000	9600	8700	8700	8240	7490	1.1	7.5	2000	4000	50	4A	21000

C





307 R



316

14000 Nm

	i	M _{n2} [Nm]						P ₁	Pt	n ₁	n _{1max}	M _b		M _{2max}
		n _{2·h} 10000	n _{2·h} 25000	n _{2·h} 50000	n _{2·h} 100000	n _{2·h} 500000	n _{2·h} 1000000							
R2	13.0	9000	8500	8270	7960	6570	5340	85	35	1800	3800	1000	5K	18600
	15.5	11400	10690	9630	9520	7440	6040	85	35	1800	3800	1000	5K	21000
	19.8	14000	12700	11300	10790	8850	7190	85	35	1800	3800	800	5G	21000
	23.5	11000	9600	8700	8700	8240	7490	74	35	1800	3800	500	5C	21000
R3	31.6	9000	9000	9000	8300	5490	4460	35	22	2000	4000	400	4K	18600
	37.7	15680	14890	12400	10070	6210	5050	35	22	2000	4000	440	4L	21000
	44.6	15680	14890	13930	11310	6980	5670	35	22	2000	4000	400	4K	21000
	55.9	15680	14890	14890	13260	8180	6650	35	22	2000	4000	330	4H	21000
	65.0	14670	14010	14010	13510	9090	7380	35	22	2000	4000	260	4F	21000
	71.8	14840	12700	11300	10790	9340	7590	35	22	2000	4000	260	4F	21000
	78.6	12300	12300	12300	12300	9560	7770	35	22	2000	4000	260	4F	21000
	83.4	14840	12700	11300	10790	9340	7590	33	22	2000	4000	260	4F	21000
	99.0	11000	9600	8700	8700	8240	7490	23	22	2000	4000	160	4D	21000
	120	11000	9600	8700	8700	8240	7490	19.9	22	2000	4000	160	4D	21000
R4	152	15680	14890	14890	13510	9560	7770	15.0	15	2000	4000	100	4B	21000
	165	14840	12700	11300	10790	9340	7590	15.0	15	2000	4000	100	4B	21000
	191	15680	14890	14890	13510	9560	7770	15.0	15	2000	4000	100	4B	21000
	206	15680	14890	14890	13510	9560	7770	15.0	15	2000	4000	100	4B	21000
	232	14840	12700	11300	10790	9340	7590	14.3	15	2000	4000	100	4B	21000
	258	15680	14890	14890	13510	9560	7770	13.8	15	2000	4000	100	4B	21000
	284	14840	12700	11300	10790	9340	7590	11.6	15	2000	4000	100	4B	21000
	300	15000	14010	14010	13510	9560	7770	11.8	15	2000	4000	100	4B	21000
	331	14840	12700	11300	10790	9340	7590	10.0	15	2000	4000	50	4A	21000
	363	12300	12300	12300	12300	9560	7770	8.0	15	2000	4000	50	4A	21000
	413	14840	12700	11300	10790	9340	7590	8.0	15	2000	4000	50	4A	21000
	453	15000	13800	12900	12500	9560	7770	7.8	15	2000	4000	50	4A	21000
	490	11000	9600	8700	8700	8240	7490	5.3	15	2000	4000	50	4A	21000
	581	14330	12710	11300	10790	9340	7590	5.7	15	2000	4000	50	4A	21000
	690	11000	9600	8700	8700	8240	7490	3.8	15	2000	4000	50	4A	21000

