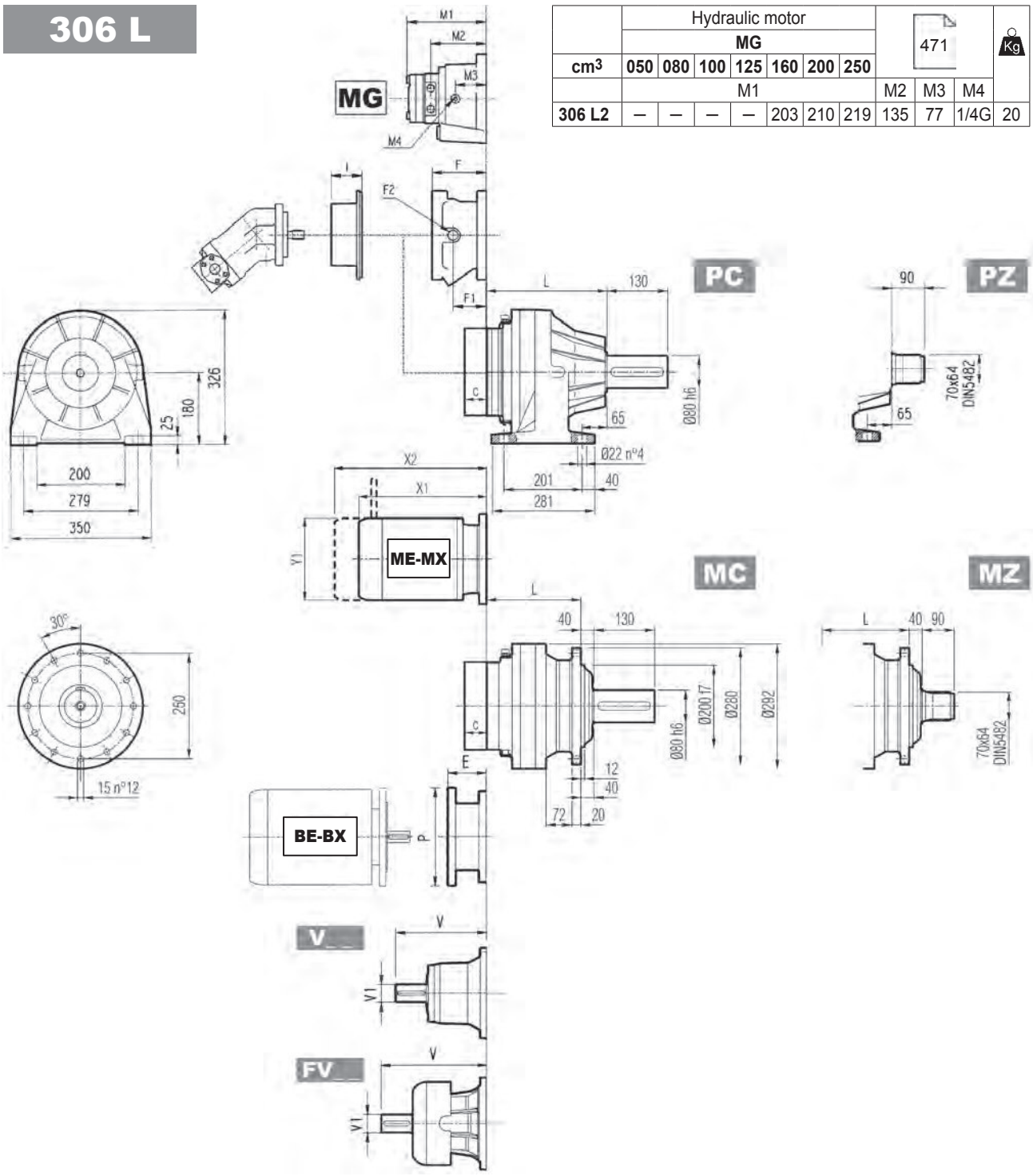
306 L

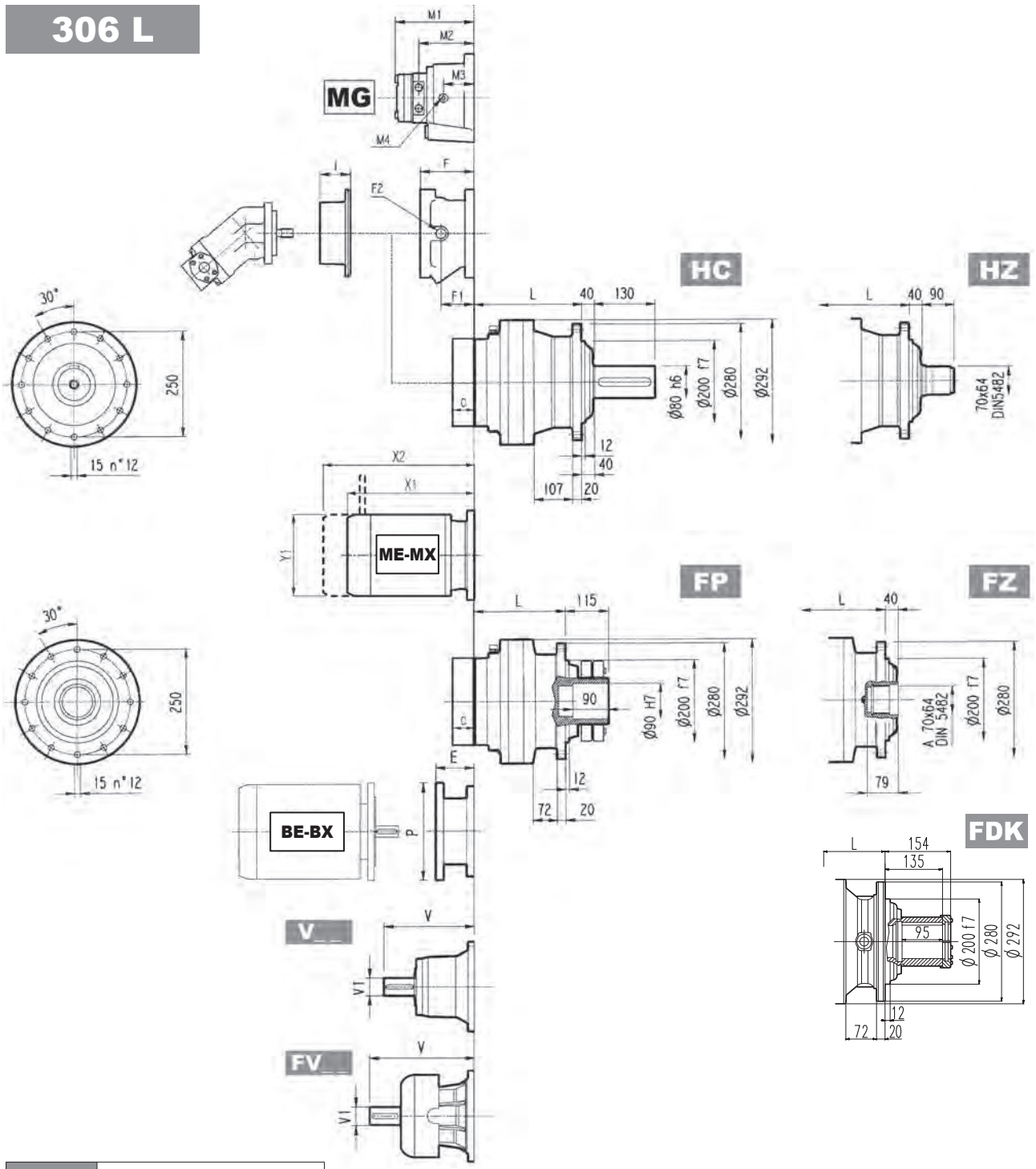
	Hydraulic motor							471			Kg
	MG										
cm³	050	080	100	125	160	200	250				
	M1							M2	M3	M4	
306 L2	–	–	–	–	203	210	219	135	77	1/4G	20



	L				Kg			
	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK
306 L1	160	235	195	160	65	85	70	65
306 L2	225	300	260	225	74	95	79	74
306 L3	278	353	313	278	78	98	83	78
306 L4	331	406	366	331	82	103	87	82

	V	V1	Kg	V	V1	Kg	V	V1	Kg	V	V1	Kg	C	Input	I	F	F1	F2	Type	Input	Kg
306 L1	307	60	23	—	—	—	357	60	28	—	—	—	45	B	461	195	147	1/4 G	6	B	28
306 L2	239	48	15	—	—	—	276	48	17	—	—	—	37	A		145	95	1/4 G	5	A	16
306 L3	137.5	24	6	158	38	7	—	—	—	—	—	—	37	A		105	65	1/4 G	4	A	10
306 L4	137.5	24	6	158	38	7	—	—	—	—	—	—	37	A		105	65	1/4 G	4	A	10

306 L



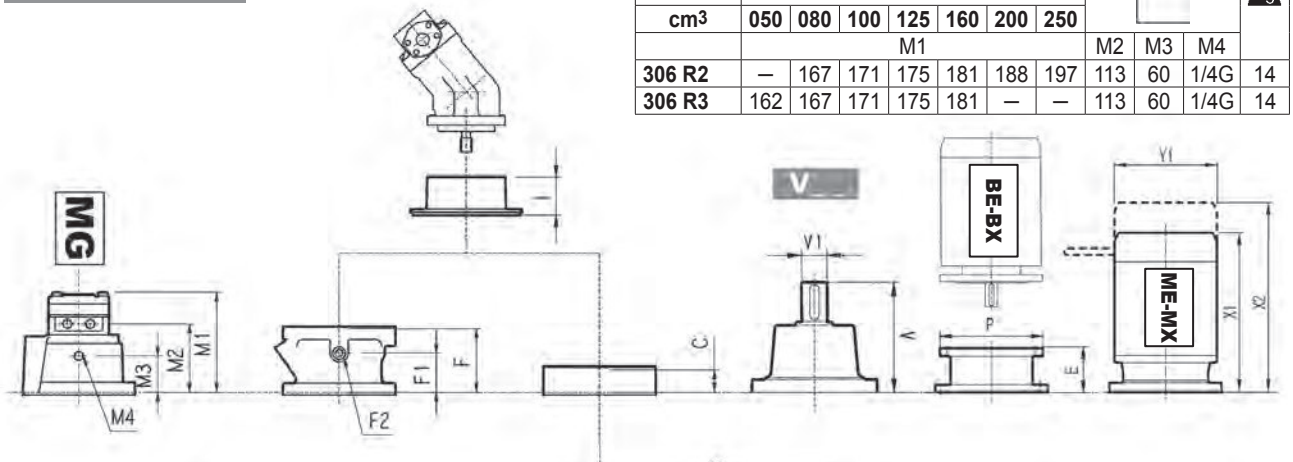
FP M_{2max} = 12000 Nm

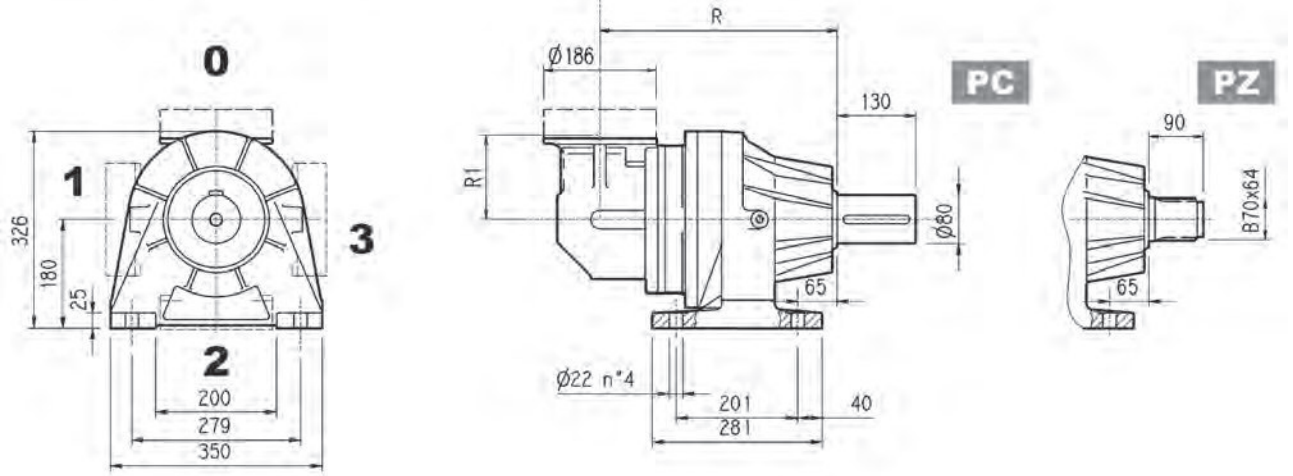
	P71		P80		P90		P100		P112		P132		P160		P180		P200		P225		P250	
	E	P	E	P	E	P	E	P	E	P	E	P	E	P	E	P	E	P	E	P	E	P
306 L1	—	—	—	—	—	—	—	—	—	—	—	—	144	350	153	350	183	400	212	450	193	550
306 L2	—	—	—	—	—	—	—	—	—	—	114	300	144	350	144	350	174	400	—	—	—	—
306 L3	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—	—	—	—	—
306 L4	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—	—	—	—	—

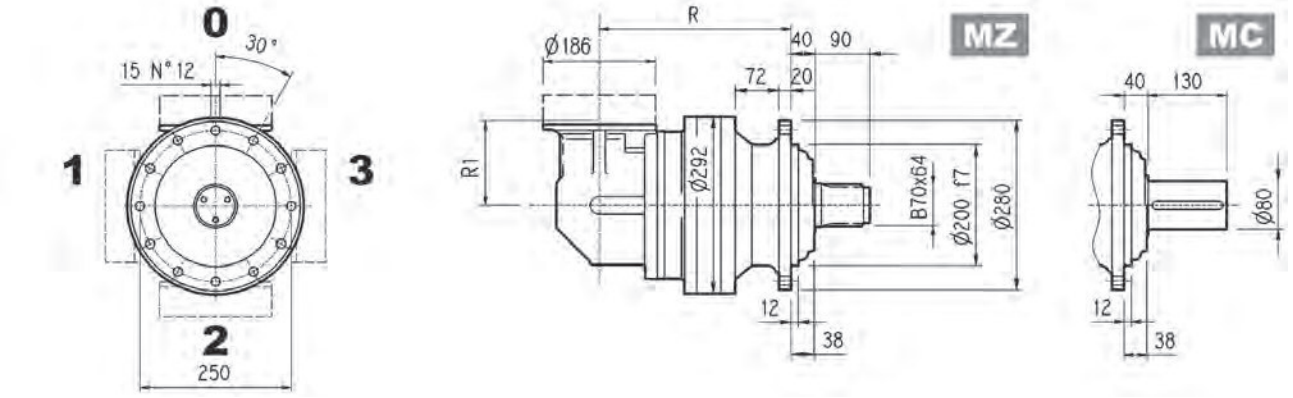
	S1 + M1			S2 + ME2S/MX5S			S3 + ME3S/MX5S			S3 + ME3L/MX5S			S4 + ME4/MX4			S5 + ME5S/MX5S			S5 + ME5L/MX5L		
	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1
306 L1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
306 L2	—	—	—	—	—	—	—	—	—	—	—	—	460	—	258	552	—	310	596	—	310
306 L3	253	314	138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

306 R

	Hydraulic motor							471			Kg
	MG										
cm³	050	080	100	125	160	200	250				
	M1							M2	M3	M4	
306 R2	–	167	171	175	181	188	197	113	60	1/4G	14
306 R3	162	167	171	175	181	–	–	113	60	1/4G	14



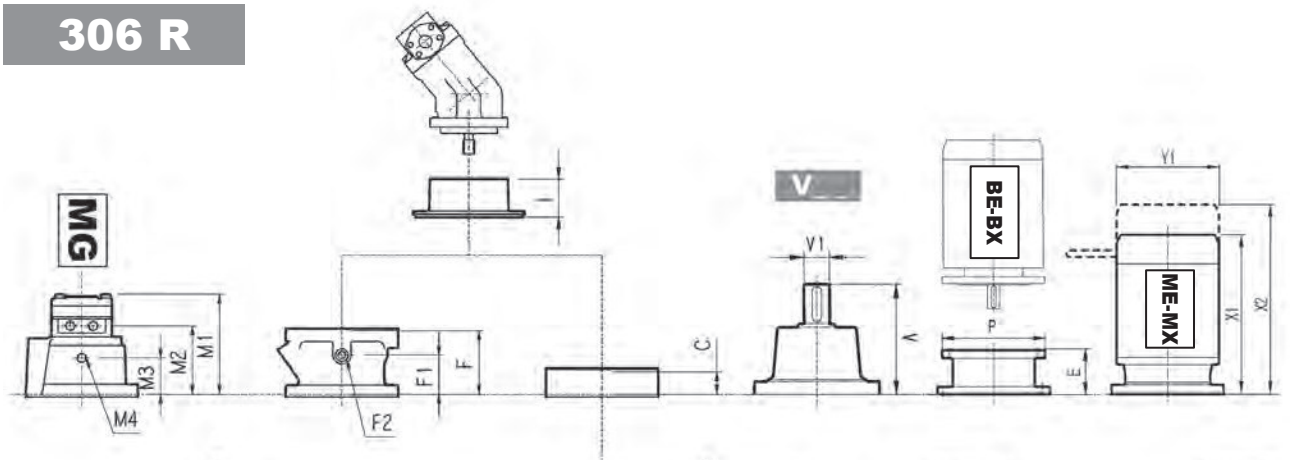


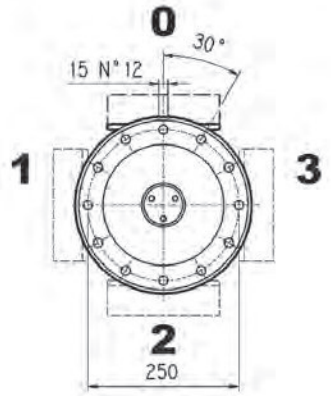


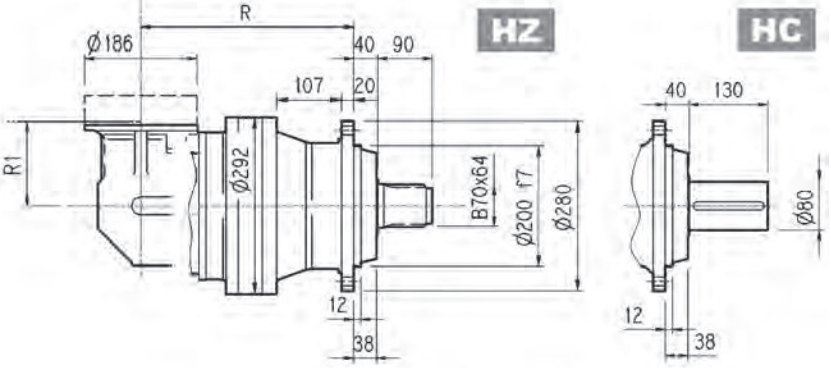
	R				R1	Kg			
	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK		MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK
306 R2	297	372	332	297	140	89	105	94	89
306 R3	317	392	352	317	140	85	100	90	85
306 R4	370	445	405	370	122	79	95	84	79

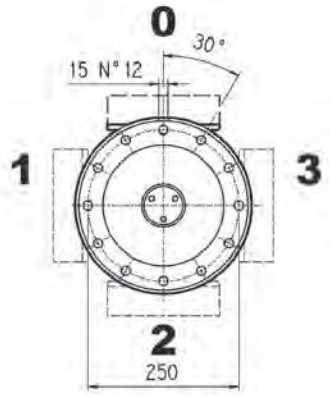
	V	V1	Kg	V	V1	Kg	C	Input	I	F	F1	F2	Type	Input	Kg
306 R2	137.5	24	6	158	38	7	37	A		105	65	1/4 G	4	A	10
306 R3	137.5	24	6	158	38	7	37	A		105	65	1/4 G	4	A	10
306 R4	137.5	24	6	158	38	7	37	A	461	105	65	1/4 G	4	A	10

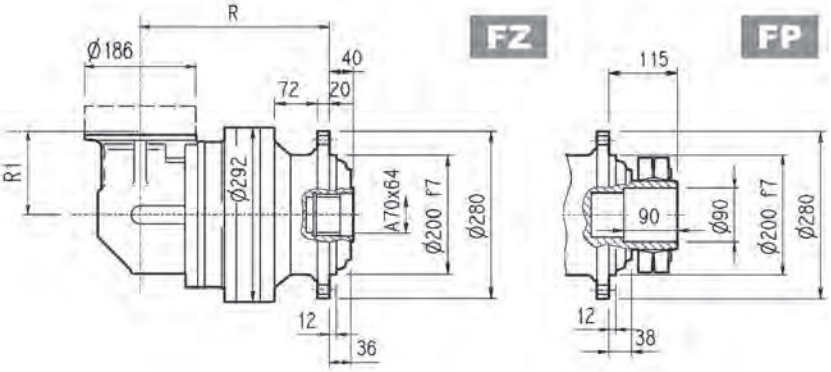
306 R

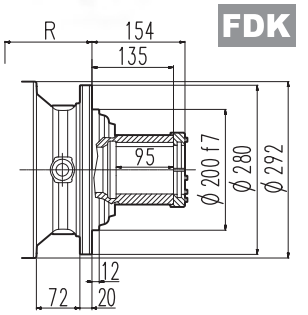










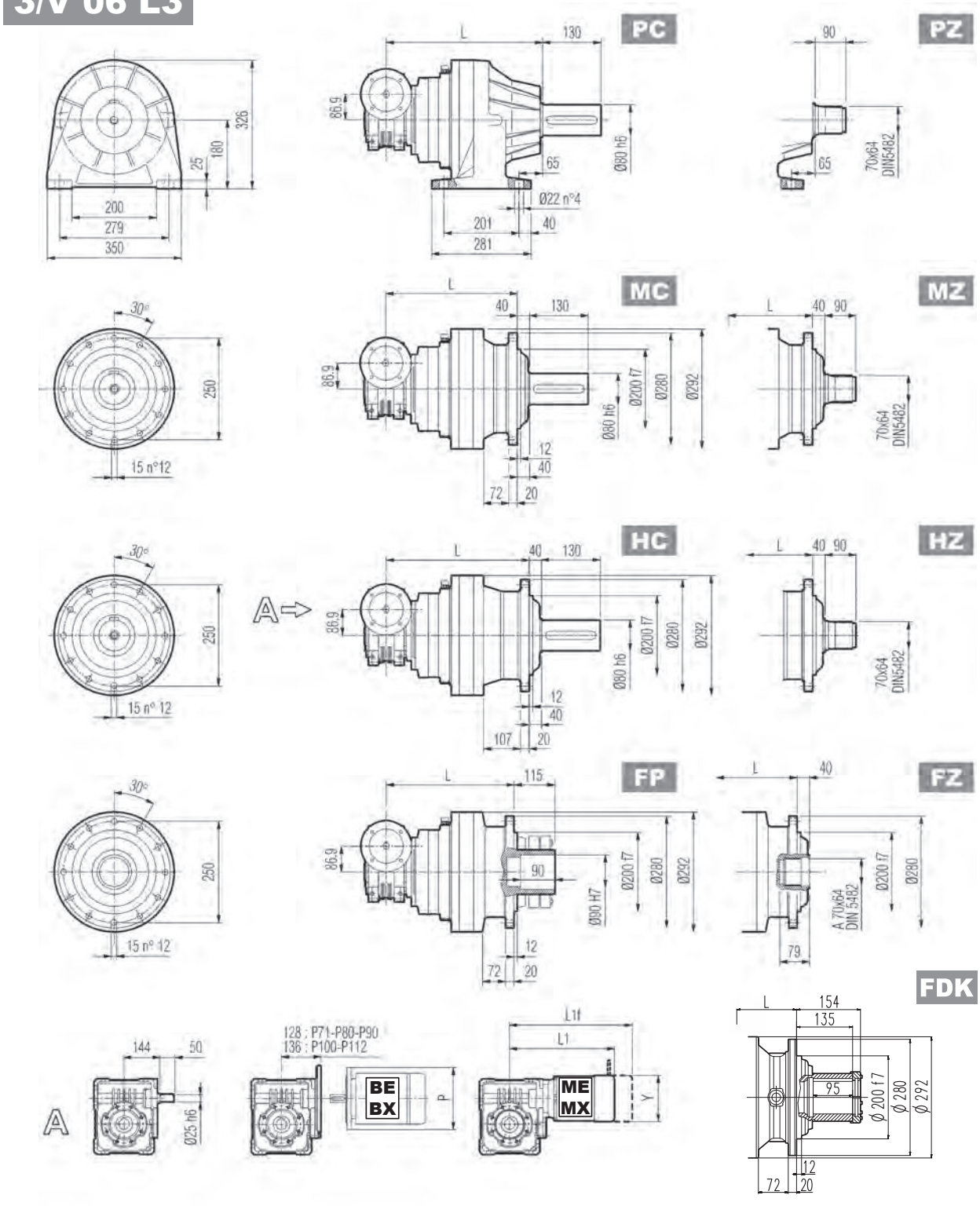


FP | M_{2max} = 12000 Nm

	P71		P80		P90		P100		P112		P132		P160	
	E	P	E	P	E	P	E	P	E	P	E	P	E	P
306 R2	65	160	84	200	84	200	94	250	94	250	114	300	144	350
306 R3	65	160	84	200	84	200	94	250	94	250	114	300	144	350
306 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		
	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1
306 R2	—	—	—	372	—	156	405	—	195	449	—	195	508	—	258
306 R3	253	314	138	372	—	156	405	—	195	449	—	195	508	—	258
306 R4	253	314	138	372	—	156	405	—	195	449	—	195	508	—	258

3/V 06 L3

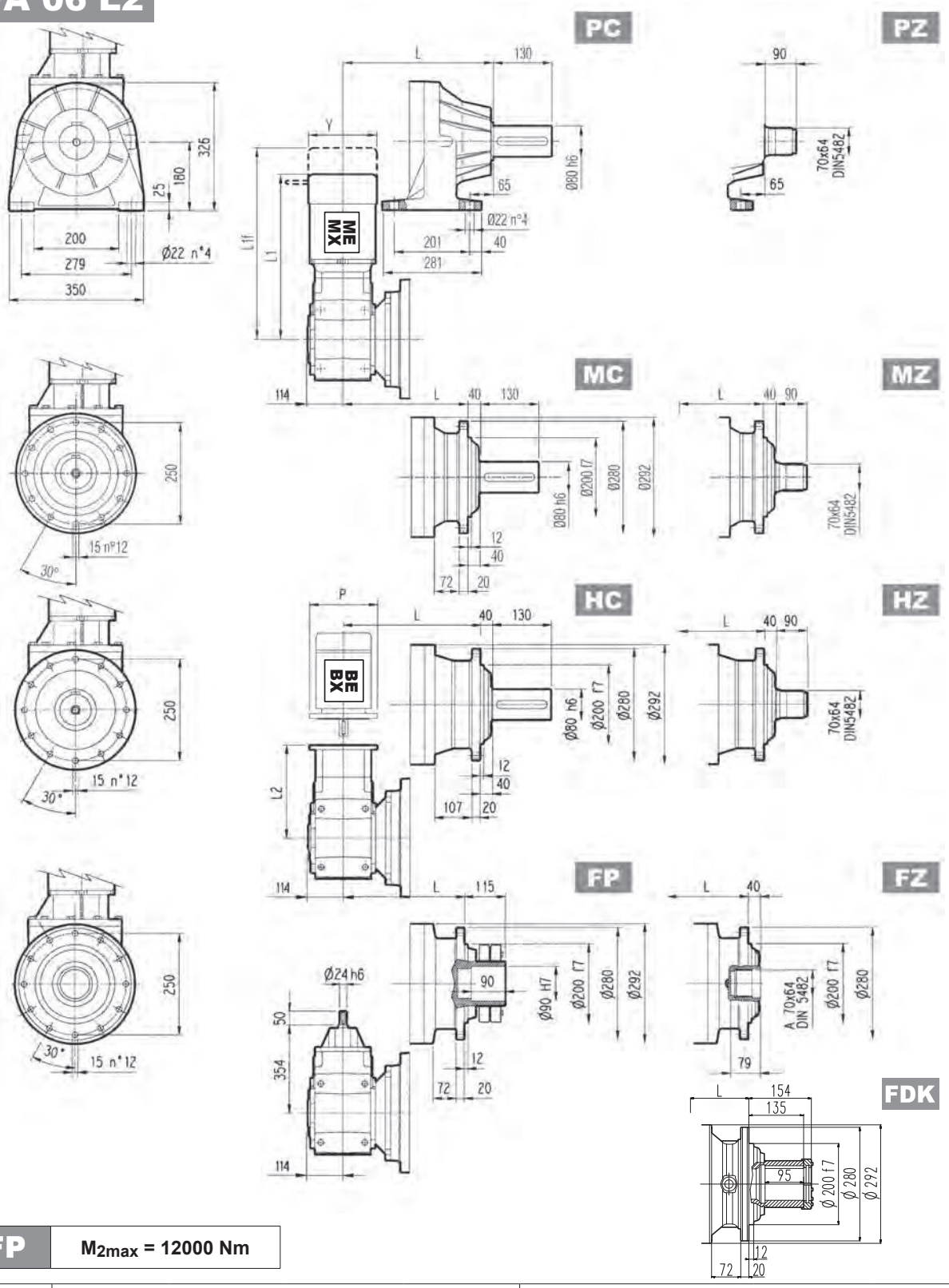


FP M_{2max} = 12000 Nm

	L				Kg				P71	P80	P90	P100	P112
	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK	P	P	P	P	P
3/V 06 L3	370	445	405	370	80	111	95	80	160	200	200	250	250

	S1 + M1			S2 + ME2S/MX2S			S3 + ME3S/MX3S			S3 + ME3L/MX3L		
	L1	L1f	Y	L1	L1f	Y	L1	L1f	Y	L1	L1f	Y
3/V 06 L3	324	385	138	393	—	156	424	—	193	468	—	193

3/A 06 L2

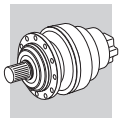


FP M_{2max} = 12000 Nm

	L				Kg			
	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK	MC - MZ	PC - PZ	HC - HZ	FP - FZ - FDK
3/A 06 L2	340	415	375	340	140	170	150	140

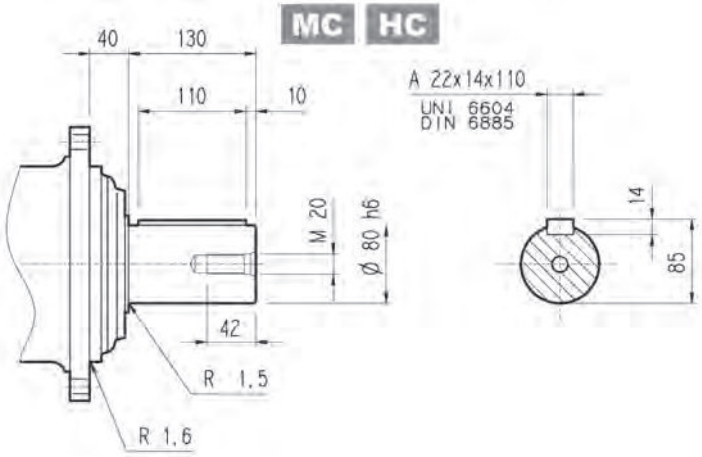
	P63		P71		P80		P90		P100		P112		P132		P160		P180	
	L2	P	L2	P	L2	P	L2	P	L2	P	L2	P	L2	P	L2	P	L2	P
3/A 06 L2	314.5	140	314.5	160	334	200	334	200	344	250	344	250	380.5	300	431	350	431	350

	S1 + M1			S2 + ME2S/MX2S			S3 + ME3S/MX3S			S3 + ME3L/MX3L			S4 + ME4/MX4		
	L1	L1f	Y	L1	L1f	Y	L1	L1f	Y	L1	L1f	Y	L1	L1f	Y
3/A 06 L2	445	508	138	612	—	156	573	—	195	616	—	195	678	—	258

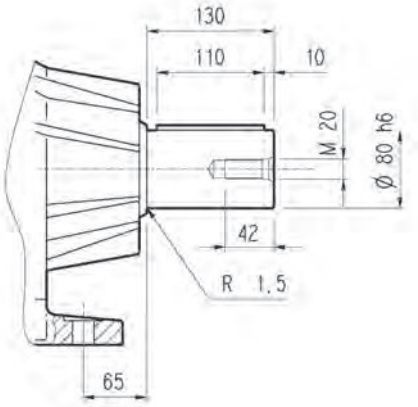


306 L | 306 R | 3/V 06 L3 | 3/A 06 L2

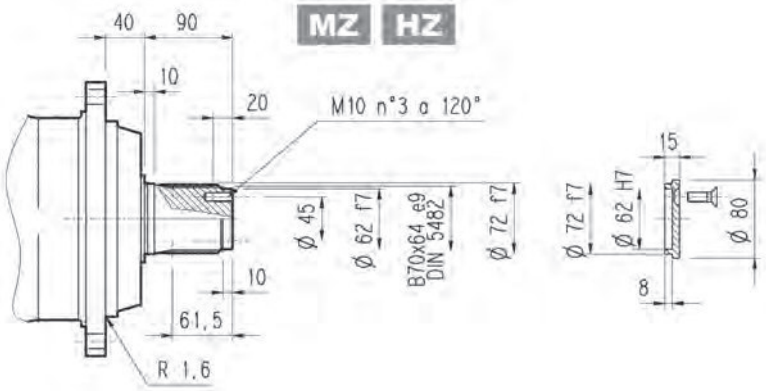
MC HC



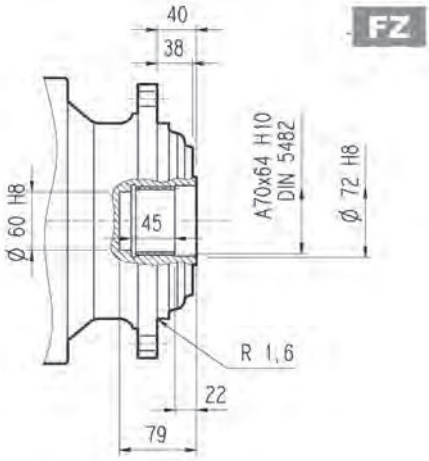
PC



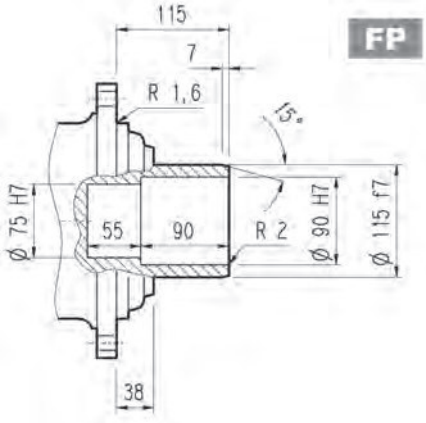
MZ HZ

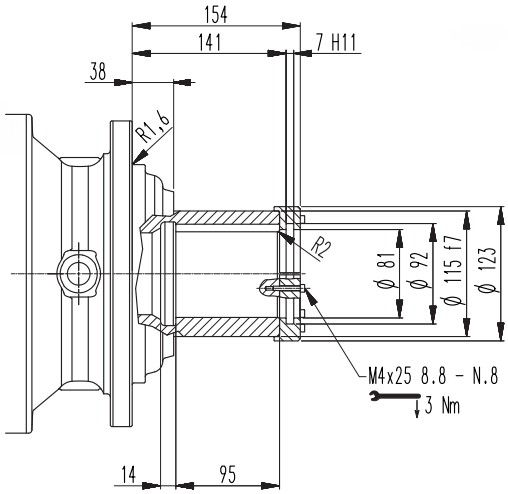


FZ

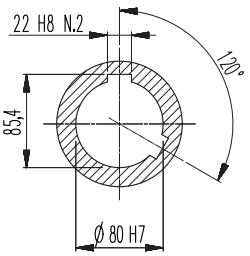


FP





FDK

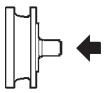


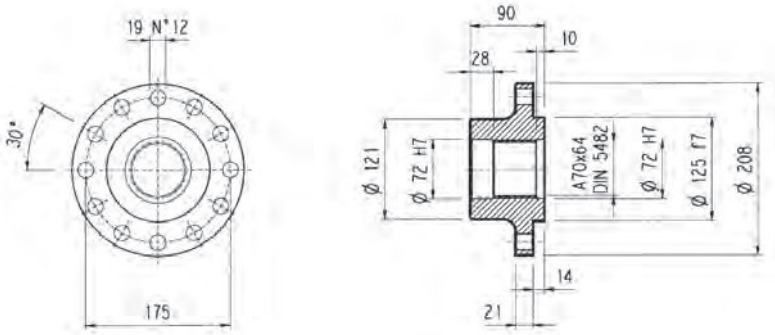
FP | M_{2max} = 12000 Nm

Bonfiglioli Riduttori

Flansch

W0A

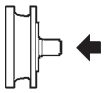


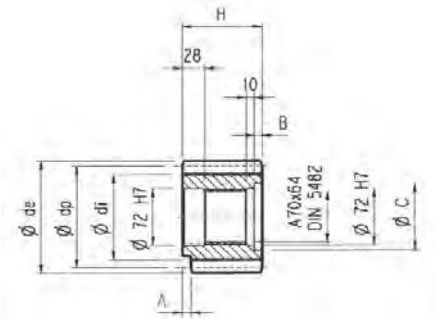


Material: Stahl C40

Ritzel

P...



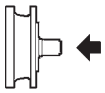


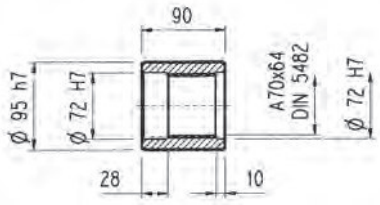
$\alpha = 20°$

	m	z	x	dp	di	de	H	A	B	C	Material
PFF1	8	15	—	120	100	134	90	—	—	—	Vergüteter Stahl 39NiCrMo3
PFF2	8	15	0.500	120	108	141	90	—	—	—	
PHB	10	11	0.500	110	95	136	90	10	—	—	
PHC1	10	12	0.450	120	104	145	90	—	—	—	
PHC2	10	12	0.320	120	100	144.2	90	—	—	—	
PHC3	10	12	0.350	120	101	144	90	—	—	—	
PHD1	10	13	0.950	130	124	165	90	—	—	—	
PHD2	10	13	0.500	130	115	159	90	—	—	—	
PHE1	10	14	—	140	115	160	90	—	—	—	
PHE2	10	14	0.500	140	125	166	90	—	—	—	Einsatzstahl 18NiCrMo5 Einsatzgehärtet
PHF	10	15	—	150	127	167	90	24	—	—	Vergüteter Stahl 39NiCrMo3
PHH	10	17	0.480	170	154	197.5	90	10	—	—	
PHM	10	20	—	200	175	220	90	10	—	—	Einsatzstahl 18NiCrMo5 Einsatzgehärtet

Naben

M0A

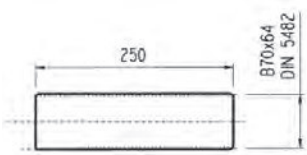




Material: Stahl 16CrNi4

Vielkeilwellen

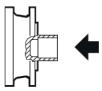
B0A

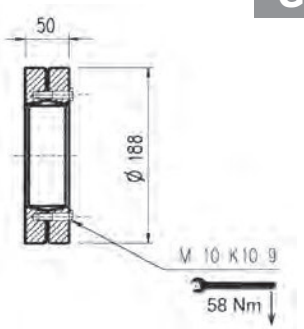


Material: Einsatzstahl 18NiCrMo5 UNI 5331
muss einsatzgehärtet werden 50-55 HRC

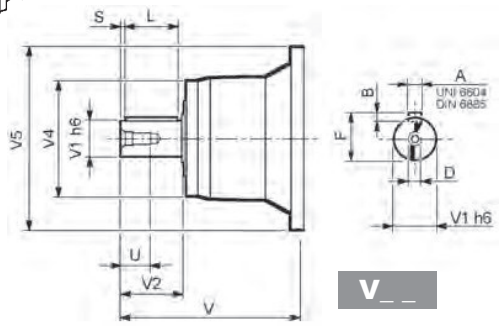
Schrumpfscheibe

G0A

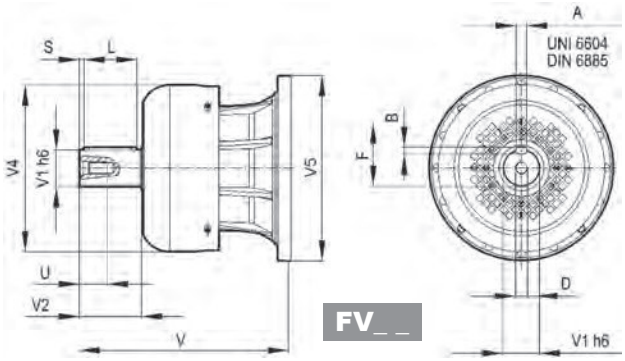




306 L 306 R



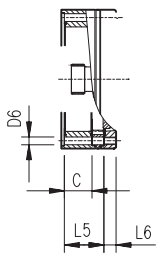
V_ _

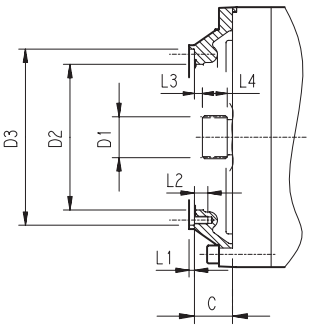


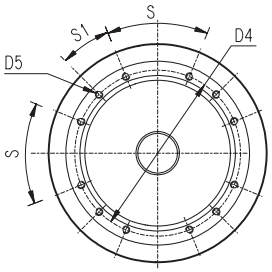
FV_ _

		V	V1	V2	V4	V5	A	B	F	L	S	D	U
306 L1	**V06B**	307	60	105	155	292	18	11	64	90	7.5	M16	36
	FV06B	357	60	105	309	292	18	11	64	90	7.5	M16	36
306 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
306 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
306 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
306 R2-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

306 L 306 R

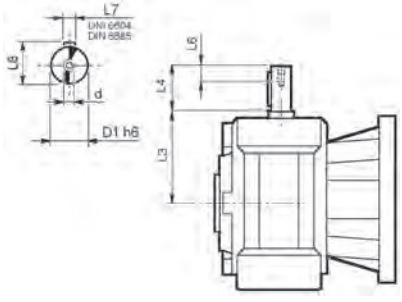






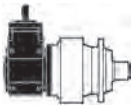
		C	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	S	S1	Input
306 L1	**V9AB**	45	58x53 DIN5482	195	236 H7	222	M10 n°12	—	4	18	11	22	—	—	45°	22.5°	B
306 L2	**V9AA**	37	40x36 DIN5482	140	178 H7	165	M10 n°8	—	4	18	9	18	—	—	45°	45°	A
306 L3	**V9AA**	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	—	9	18	53	18	45°	45°	A
306 L4	**V9AA**	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	—	9	18	106	18	45°	45°	A
306 R2-R3-R4	**V9AA**	37	40x36 DIN5482	140	178 H7	165	M10 n°8	11	4	—	9	18	37	18	45°	45°	A

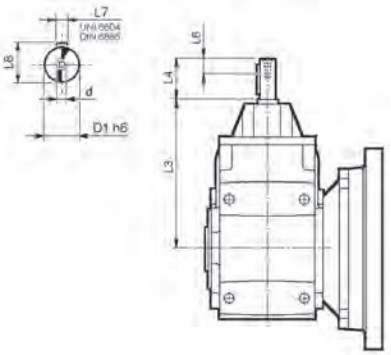
3/V 06 L3



	D1 h6	L3	L4	L6	L7	L8	d
3/V 06 L3_HS	25	144	50	19	8	28	M8

3/A 06 L2



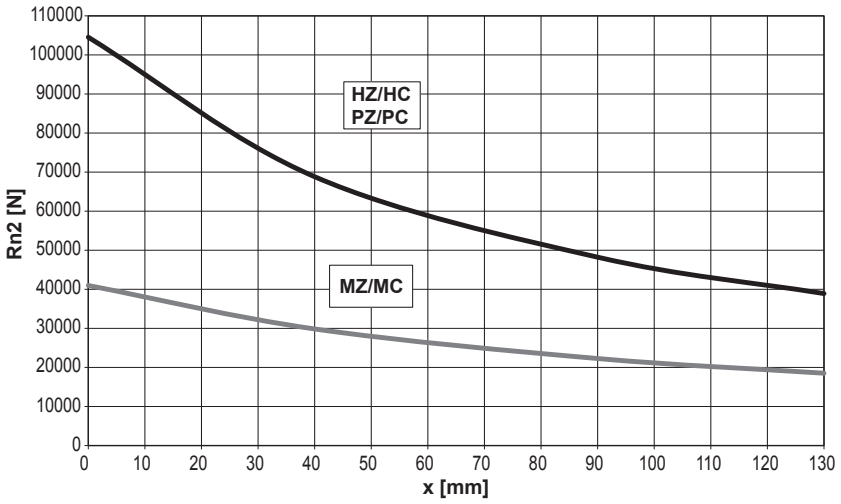


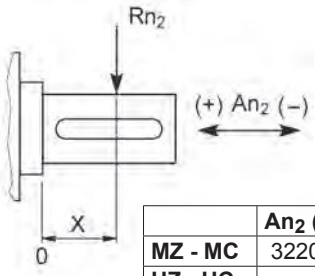
	D1 h6	L3	L4	L6	L7	L8	d
3/A 06 L2_HS	24	354	50	19	8	27	M8

Bonfiglioli Riduttori

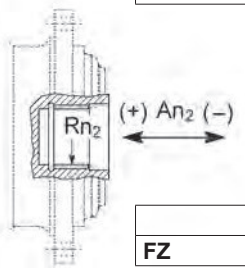
306 L | 306 R | 3/V 06 L3 | 3/A 06 L2

An der Abtriebswelle zulässige Radial- und Axialkräfte für einen Wert von $Fh_2 : n_2 \cdot h = 100000$





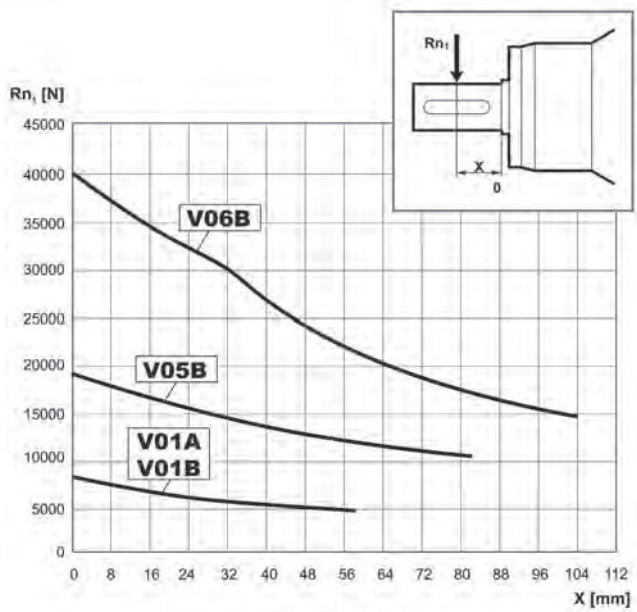
	An2 (+)	An2 (-)
MZ - MC	32200	20240
HZ - HC PZ - PC	60000	30000

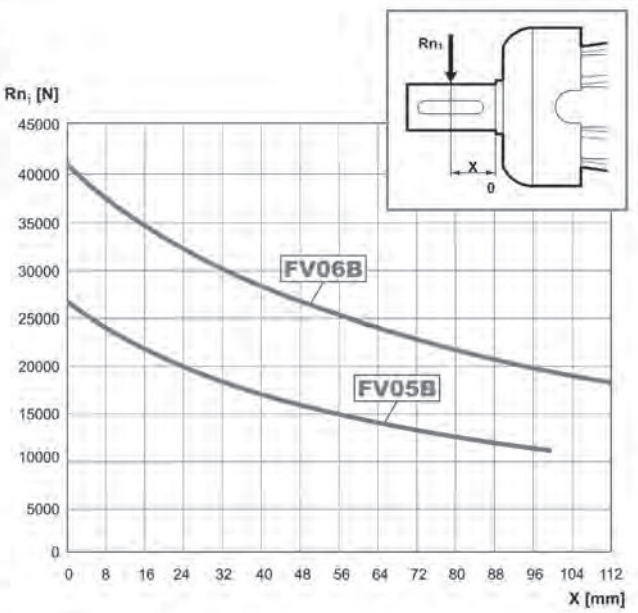


	Rn2	An2 (+/-)
FZ	16246	16246

	$Fh_2 = n_2 \cdot h$		10000	25000	50000	100000	500000	1000000
Korrekturfaktor fh_2 für Wellenbelastungen	fh_2	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	**1.34**	**1.34**	**1.23**	**1.00**	**0.62**	**0.50**

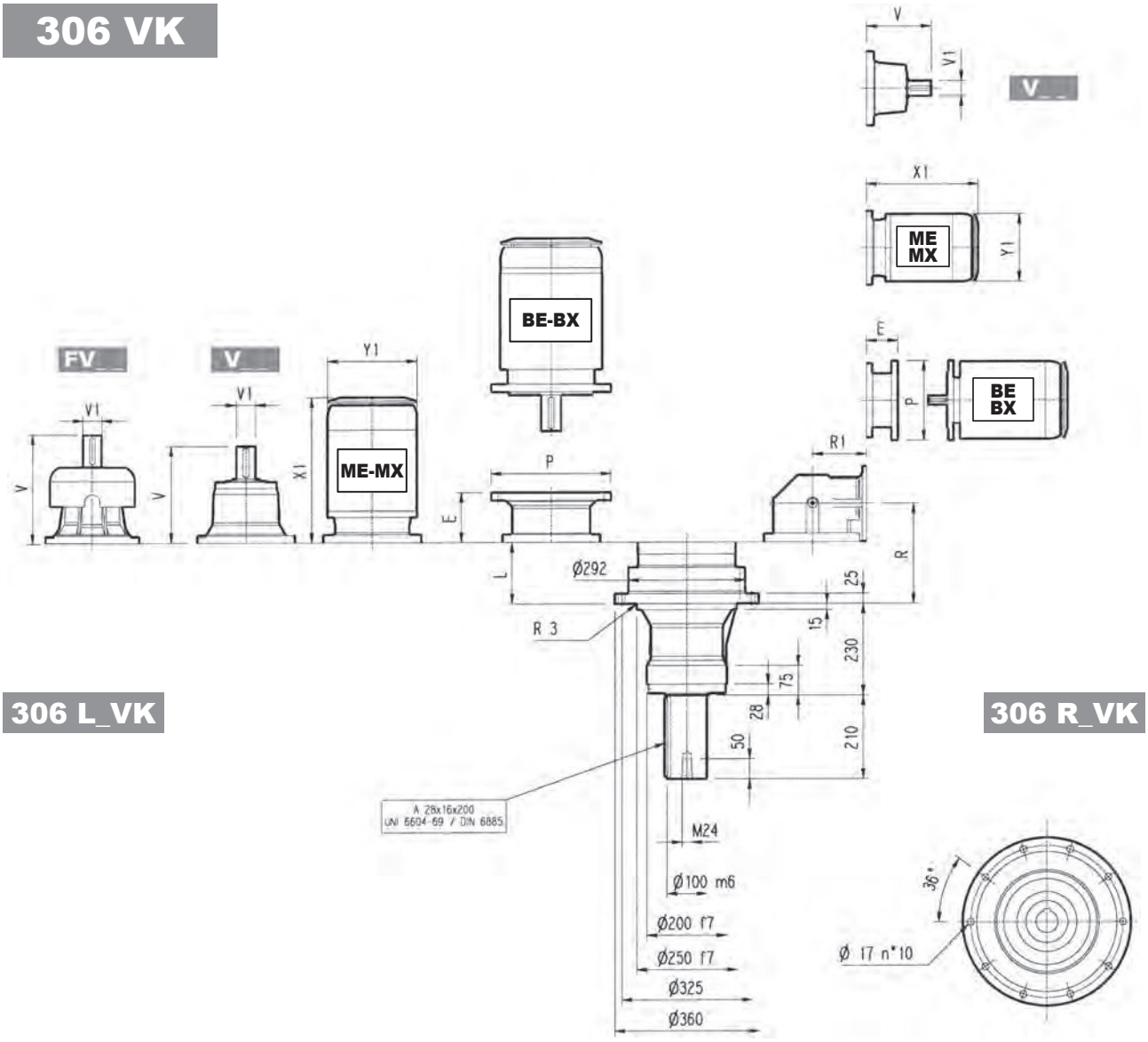
An der Antriebswelle zulässige Radiallasten für einen Wert von $Fh_1 : n_1 \cdot h = 250000$





Korrekturfaktor fh_1 für Wellenbelastungen	$Fh_1 = n_1 \cdot h$	250000	500000	1000000	2000000	5000000	10000000
	fh_1	**1**	**0.79**	**0.63**	**0.50**	**0.37**	**0.29**

306 VK



306 L_VK

306 R_VK

	L	Kg	V	V1	Kg	V	V1	Kg	V	V1	Kg	V	V1	Kg	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
306 L1	75	110	307	60	23	—	—	—	357	60	28	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	144	350	153	350	183	400	212	450	193	550
306 L2	140	120	239	48	15	—	—	—	276	48	17	—	—	—	—	—	—	—	—	—	—	—	—	—	114	300	144	350	144	350	174	400	—	—	—	—
306 L3	193	125	137.5	24	6	158	38	7	—	—	—	—	—	—	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—	—	—	—	—
306 L4	246	130	137.5	24	6	158	38	7	—	—	—	—	—	—	65	160	84	200	84	200	94	250	94	250	114	300	144	350	—	—	—	—	—	—	—	—

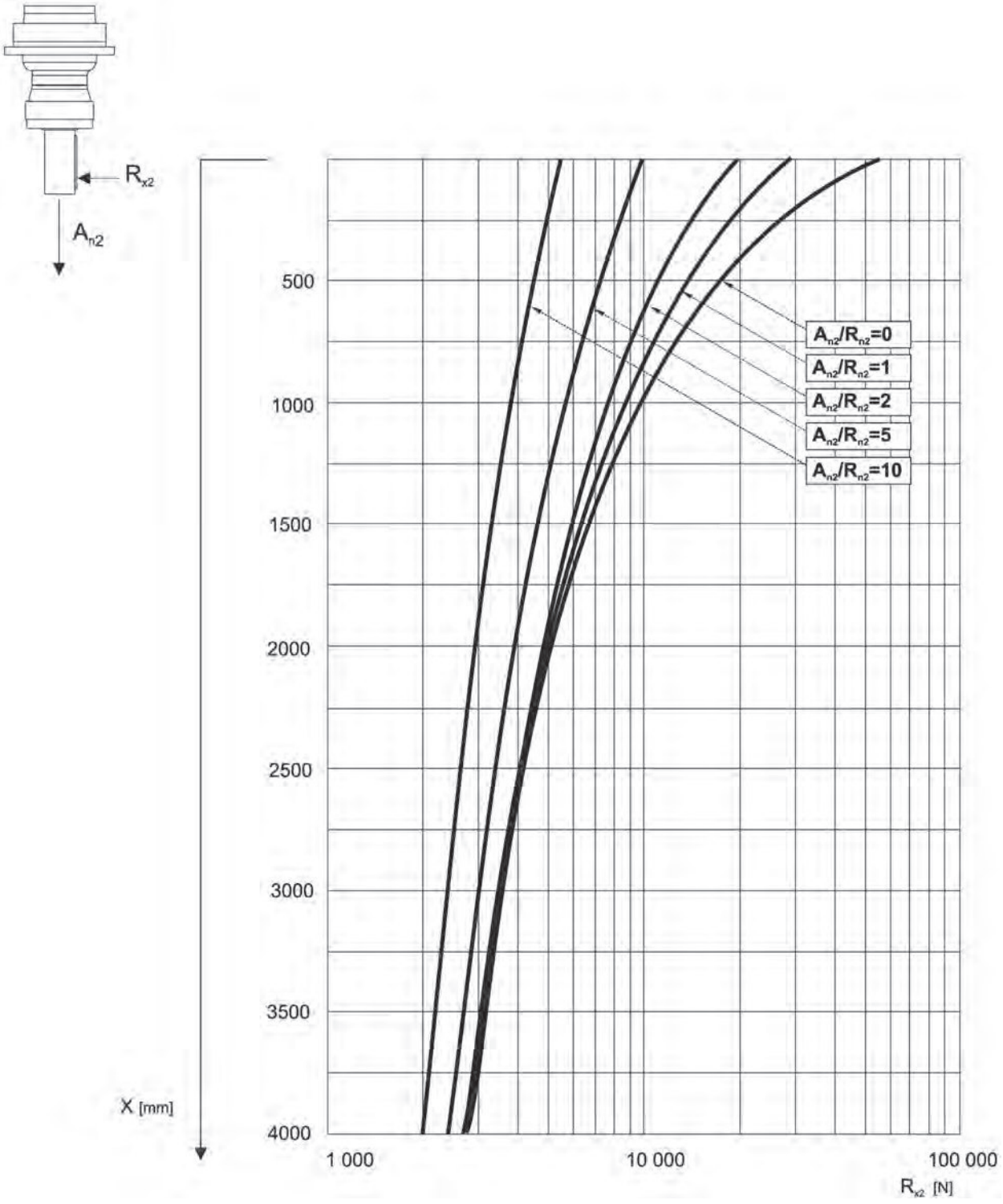
	S1 + M1			S2 + ME2S/MX2S			S3 + ME3S/MX3S			S3 + ME3L/MX3L			S4 + ME4/MX4			S5 + ME5S/MX5S			S5 + ME5L/MX5L		
	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	
306 L1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
306 L2	—	—	—	—	—	—	—	—	—	—	—	—	460	—	258	552	—	310	596	—	310	
306 L3	253	314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

	R	R1	Kg	V	V1	Kg	V	V1	Kg	P71		P80		P90		P100		P112		P132		P160	
										E	P	E	P	E	P	E	P	E	P	E	P	E	P
306 R2	212	140	90	137.5	24	6	158	38	7	65	160	84	200	84	200	94	250	94	250	114	300	144	350
306 R3	232	140	92	137.5	24	6	158	38	7	65	160	84	200	84	200	94	250	94	250	114	300	144	350
306 R4	285	122	95	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		
	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1	X1	X2	Y1
306 R2	—	—	—	372	—	156	405	—	195	449	—	195	508	—	258
306 R3	253	314	138	372	—	156	405	—	195	449	—	195	508	—	258
306 R4	253	314	138	372	—	156	405	—	195	449	—	195	508	—	258

306 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 An_2 und der Radialkraft Rn_2 fur n_2 = 10 min-1 und einer Dauer von 10000 Std. ergibt.

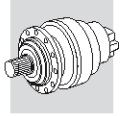


306 L

302

10840 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	[kW]	[kW]	[min-1]	[min-1]	[Nm]		[Nm]
L1	3.60	10840	10380	10380	10380	7100	5770	75	18	1600	3000	2600	6K	14900
	4.25	10420	9850	9850	9600	6990	5680	75	18	1600	3000	2600	6K	14900
	5.33	10080	9350	8300	7950	6810	5530	75	18	1600	3000	2100	6G	14900
	6.20	8630	7370	6530	6500	6460	5480	75	18	1600	3000	1500	6E	14900
	7.50	7000	5900	5500	5500	5040	5040	75	18	1600	3000	1100	6C	14900
L2	13.0	8020	8020	8020	8020	6210	5040	40	13	1800	3800	800	5G	14900
	15.3	9770	9340	9340	9300	6110	4960	40	13	1800	3800	800	5G	14900
	18.1	10420	9850	9850	9600	6860	5570	40	13	1800	3800	630	5E	14900



306 L

302

10840 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	[kW]	[kW]	[min^{-1}]	[min^{-1}]	[Nm]		[Nm]
L2	22.7	9560	9100	9100	9100	6680	5430	40	13	1800	3800	500	5C	14900
	26.4	7890	7590	7590	7590	6620	5380	40	13	1800	3800	400	5B	14900
	28.4	10080	9350	8300	7950	6810	5530	40	13	1800	3800	400	5B	14900
	33.1	9540	9350	8300	7950	6810	5530	40	13	1800	3800	400	5B	14900
	38.4	8630	7370	6530	6500	6460	5480	34	13	1800	3800	400	5B	14900
	46.5	8500	7370	6530	6500	6460	5480	29	13	1800	3800	400	5B	14900
	56.3	7000	5900	5500	5500	5040	5040	21	13	1800	3800	400	5B	14900
	72.5	6400	5900	5500	5500	5040	5040	16.3	13	1800	3800	400	5B	14900
L3	53.2	9770	9340	9340	9300	6110	4960	20	7.5	2000	4000	260	4F	14900
	65.2	9770	9340	9340	9300	6110	4960	20	7.5	2000	4000	160	4D	14900
	77.0	10420	9850	9850	9600	6860	5570	20	7.5	2000	4000	160	4D	14900
	81.9	8320	7700	7700	7530	5950	4830	20	7.5	2000	4000	160	4D	14900
	88.3	9450	9450	9450	9450	6970	5660	20	7.5	2000	4000	160	4D	14900
	104	10420	9850	9850	9600	6860	5570	20	7.5	2000	4000	160	4D	14900
	112	7890	7590	7590	7590	6620	5380	15.2	7.5	2000	4000	160	4D	14900
	121	10080	9350	8300	7950	6810	5530	17.2	7.5	2000	4000	100	4B	14900
	141	9540	9350	8300	7950	6810	5530	14.8	7.5	2000	4000	100	4B	14900
	152	7890	7590	7590	7590	6620	5380	11.3	7.5	2000	4000	100	4B	14900
	190	8630	7370	6530	6500	6460	5480	10.2	7.5	2000	4000	100	4B	14900
	205	10080	9350	8300	7950	6810	5530	10.6	7.5	2000	4000	100	4B	14900
	222	8630	7370	6530	6500	6460	5480	8.8	7.5	2000	4000	50	4A	14900
	238	9540	9350	8300	7950	6810	5530	9.0	7.5	2000	4000	50	4A	14900
	268	7000	5900	5500	5500	5040	5040	6.0	7.5	2000	4000	50	4A	14900
	288	7000	5900	5500	5500	5040	5040	5.6	7.5	2000	4000	50	4A	14900
	325	7000	5900	5500	5500	5040	5040	4.9	7.5	2000	4000	50	4A	14900
	405	7000	5900	5500	5500	5040	5040	4.0	7.5	2000	4000	50	4A	14900
L4	391	8630	7370	6530	6500	6460	5480	5.1	6	2000	4000	50	4A	14900
	444	10420	9850	9850	9600	6860	5570	5.3	6	2000	4000	50	4A	14900
	509	9450	9450	9450	9450	6970	5660	4.1	6	2000	4000	50	4A	14900
	589	10080	9350	8300	7950	6810	5530	3.8	6	2000	4000	50	4A	14900
	636	9450	9450	9450	9450	6970	5660	3.3	6	2000	4000	50	4A	14900
	700	10080	9350	8300	7950	6810	5530	3.2	6	2000	4000	50	4A	14900
	809	7890	7590	7590	7590	6620	5380	2.2	6	2000	4000	50	4A	14900
	877	7890	7590	7590	7590	6620	5380	2.0	6	2000	4000	50	4A	14900
	1015	9540	9350	8300	7950	6810	5530	2.2	6	2000	4000	50	4A	14900
	1095	7890	7590	7590	7590	6620	5380	1.6	6	2000	4000	50	4A	14900
	1279	8630	7370	6530	6500	6460	5480	1.6	6	2000	4000	50	4A	14900
	1475	10080	9350	8300	7950	6810	5530	1.5	6	2000	4000	50	4A	14900
	1597	8630	7370	6530	6500	6460	5480	1.3	6	2000	4000	50	4A	14900
	1843	10080	9350	8300	7950	6810	5530	1.2	6	2000	4000	50	4A	14900
	2074	7000	5900	5500	5500	5040	5040	0.80	6	2000	4000	50	4A	14900
	2337	7000	5900	5500	5500	5040	5040	0.71	6	2000	4000	50	4A	14900
	2916	7000	5900	5500	5500	5040	5040	0.57	6	2000	4000	50	4A	14900

C

306 R

304

7300 Nm

	i	M_{n2} [Nm]						P_1	Pt	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	[kW]	[kW]	[min^{-1}]	[min^{-1}]	[Nm]		[Nm]
R2	9.23	4650	4050	4000	3870	2390	1940	35	18	1800	3800	440	4L	12000
	10.9	5300	4720	4720	4350	2680	2180	35	18	1800	3800	440	4L	12000
	13.7	6500	5920	5920	5100	3150	2560	35	18	1800	3800	440	4L	12000
	15.9	7300	6890	6530	5670	3500	2840	35	18	1800	3800	440	4L	12000
	19.2	7000	5900	5500	5400	3990	3240	35	18	1800	3800	400	4K	12000
R3	33.2	8020	8020	8020	8020	5680	4620	35	14	2000	4000	260	4F	14900
	39.2	9770	9340	9340	9300	6110	4960	35	14	2000	4000	260	4F	14900
	46.3	10420	9850	9850	9600	6860	5570	35	14	2000	4000	260	4F	14900
	58.1	9560	9100	9100	9100	6680	5430	35	14	2000	4000	260	4F	14900
	67.5	7890	7590	7590	7590	6620	5380	25	14	2000	4000	260	4F	14900
	72.9	10080	9350	8300	7950	6810	5530	27	14	2000	4000	160	4D	14900
	84.7	9540	9350	8300	7950	6810	5530	23	14	2000	4000	160	4D	14900
	98.5	8630	7370	6530	6500	6460	5480	17.7	14	2000	4000	100	4B	14900
	119	8500	7370	6530	6500	6460	5480	15.2	14	2000	4000	100	4B	14900
	144	7000	5900	5500	5500	5040	5040	10.7	14	2000	4000	100	4B	14900
R4	158	10420	9850	9850	9600	6860	5570	14.9	12	2000	4000	100	4B	14900
	168	8320	7700	7700	7530	5950	4830	11.3	12	2000	4000	100	4B	14900
	181	9450	9450	9450	9450	6970	5660	11.6	12	2000	4000	100	4B	14900
	214	10420	9850	9850	9600	6860	5570	11.1	12	2000	4000	50	4A	14900
	230	7890	7590	7590	7590	6620	5380	7.7	12	2000	4000	50	4A	14900
	249	10080	9350	8300	7950	6810	5530	9.0	12	2000	4000	50	4A	14900
	289	9540	9350	8300	7950	6810	5530	7.6	12	2000	4000	50	4A	14900
	312	7890	7590	7590	7590	6620	5380	5.7	12	2000	4000	50	4A	14900
	389	8500	7590	7590	7590	6620	5380	5.2	12	2000	4000	50	4A	14900
	420	10080	9350	8300	7950	6810	5530	5.4	12	2000	4000	50	4A	14900
	455	8630	7370	6530	6500	6460	5480	4.4	12	2000	4000	50	4A	14900
	488	9540	9350	8300	7950	6810	5530	4.5	12	2000	4000	50	4A	14900
	550	8500	7370	6530	6500	6460	5480	3.7	12	2000	4000	50	4A	14900
	590	9500	8500	7800	7800	6810	5530	3.8	12	2000	4000	50	4A	14900
	665	7000	5900	5500	5500	5040	5040	2.5	12	2000	4000	50	4A	14900
	830	7000	5900	5500	5500	5040	5040	2.0	12	2000	4000	50	4A	14900