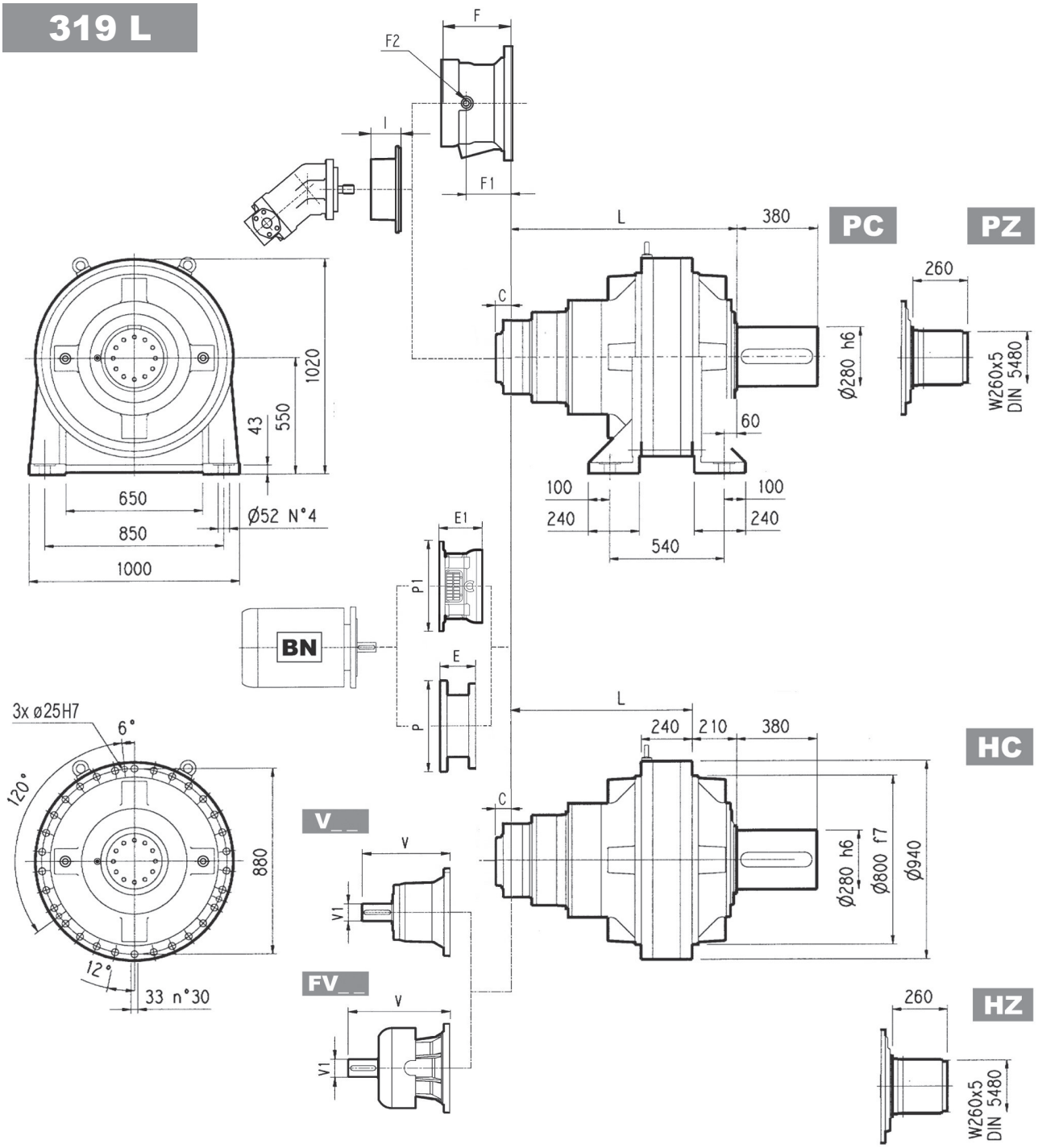
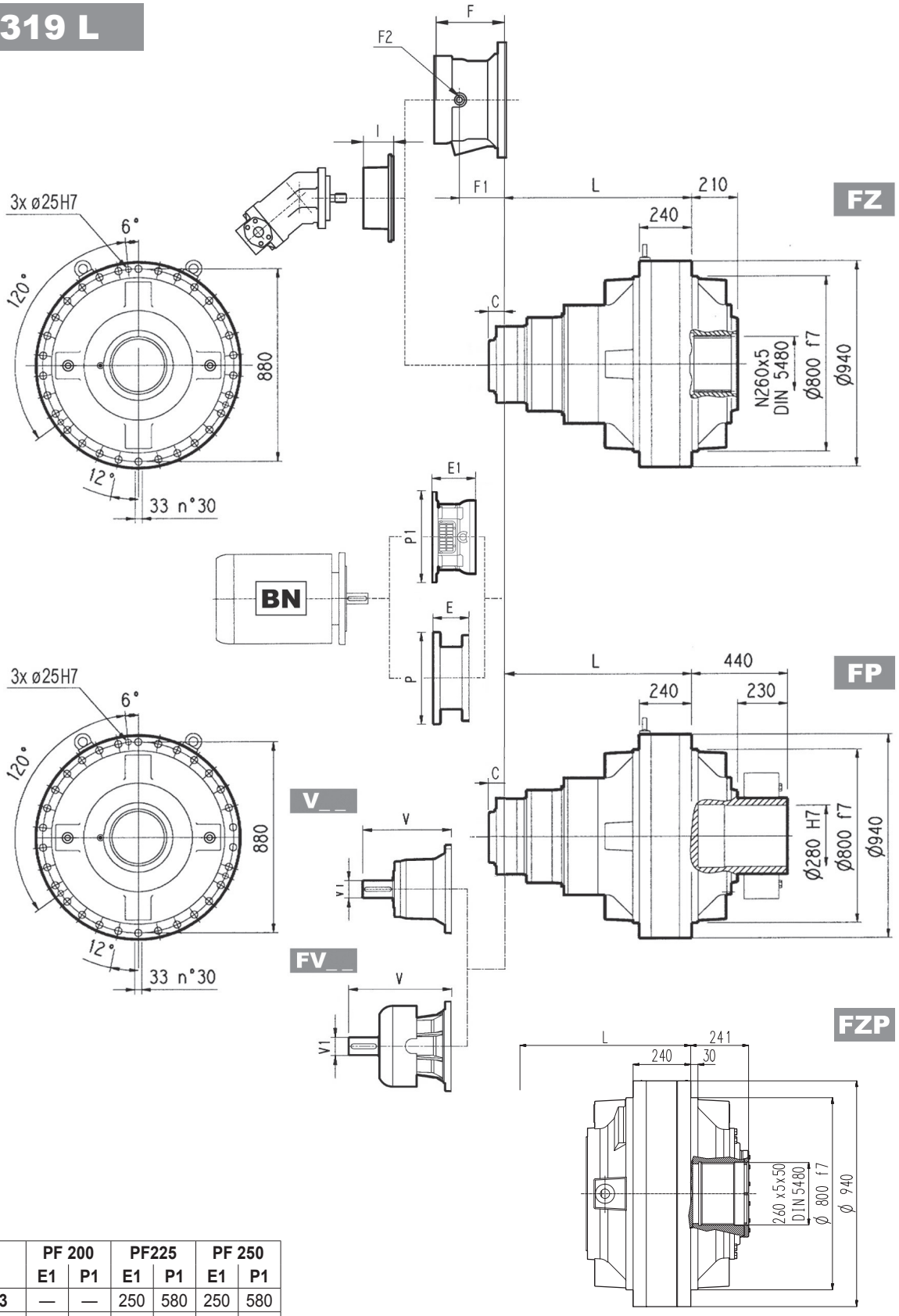
319 L



	L				Kg			
	PC - PZ	HC - HZ	FZ - FZP	FP	PC - PZ	HC - HZ	FZ - FZP	FP
319 L1	395	185	185	185	2100	1800	1700	1700
319 L2	778	568	568	568	2350	2050	1950	1950
319 L3	990	780	780	780	2435	2135	2035	2035
319 L4	1123	913	913	913	2480	2180	2080	2080

	V	V1	Kg	V	V1	Kg	V	V1	Kg	V	V1	Kg	C	Input	I	F	F1	F2	Type	Input	Kg
319 L1	—	—	—	—	—	—	—	—	—	—	—	—	245	G		—	—	—	—	—	—
319 L2	556	120	125	—	—	—	—	—	—	—	—	—	116	E		—	—	—	—	—	—
319 L3	348	80	55	—	—	—	456	80	85	—	—	—	81	D	461	232	185	1/4 G	6	B	28
319 L4	315	80	35	313	60	28	375	80	48	363	60	34	51	B		201	153	1/4 G	6	B	28

319 L



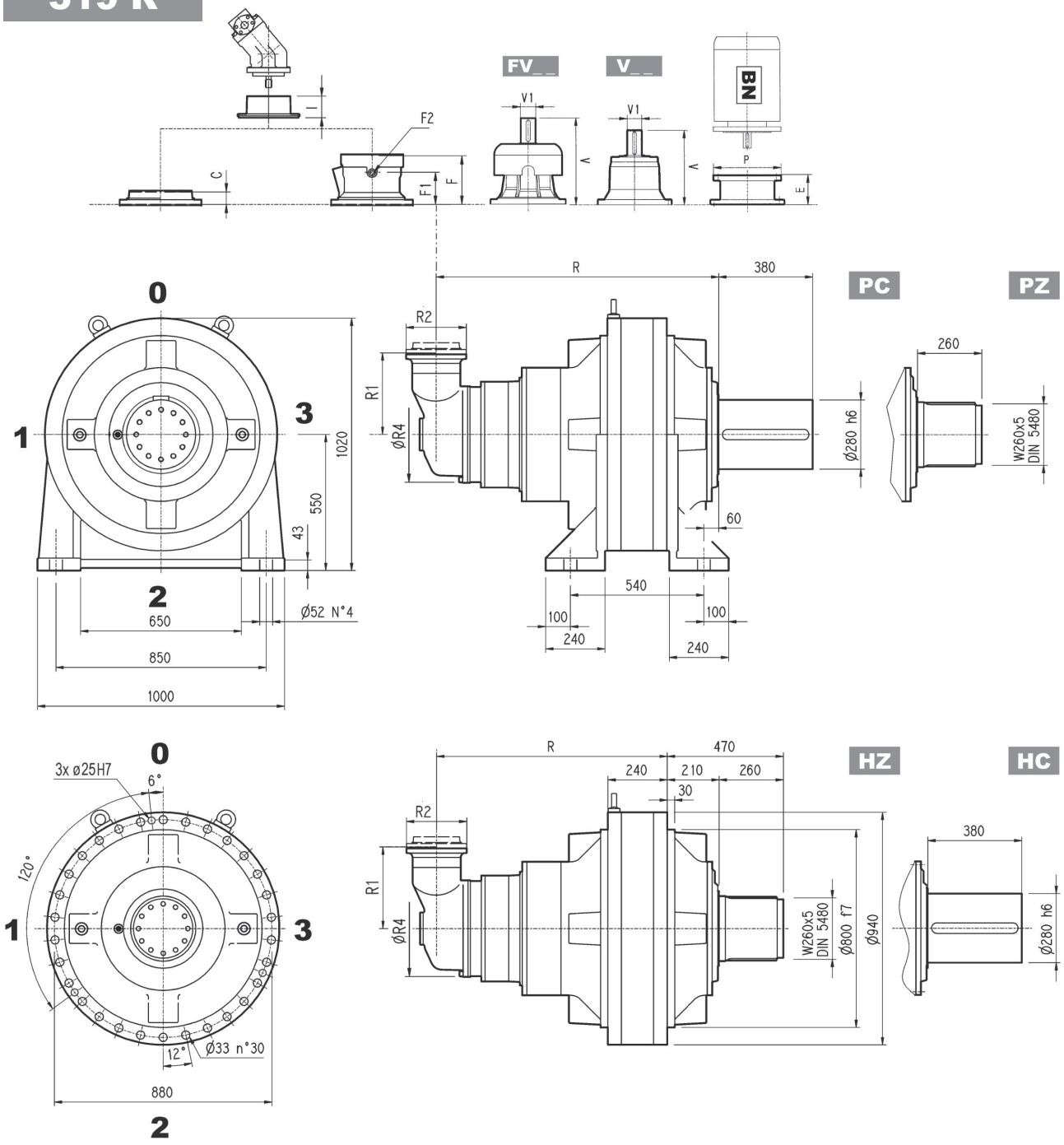
	PF 200		PF225		PF 250	
	E1	P1	E1	P1	E1	P1
319 L3	—	—	250	580	250	580
319 L4	197	530	227	530	227	550

Bemerkung: Für R Design kontaktieren Sie den technischen Service von Bonfiglioli

FP M_{2max} = 480000 Nm

	P180		P200		P225		P250	
	E	P	E	P	E	P	E	P
319 L3	—	—	267	400	297	450	297	550
319 L4	195	350	186	400	216	450	216	550

319 R

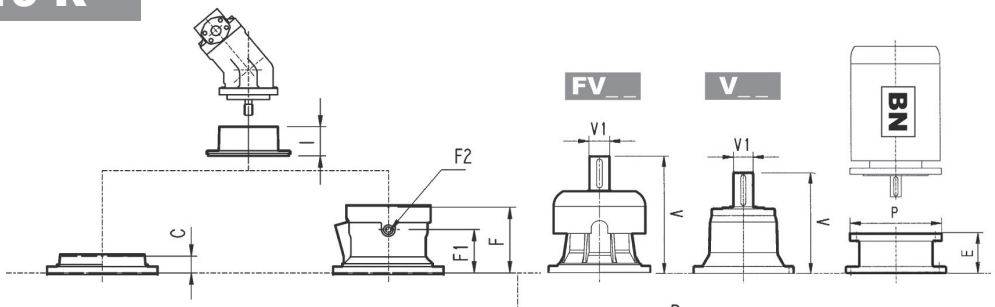


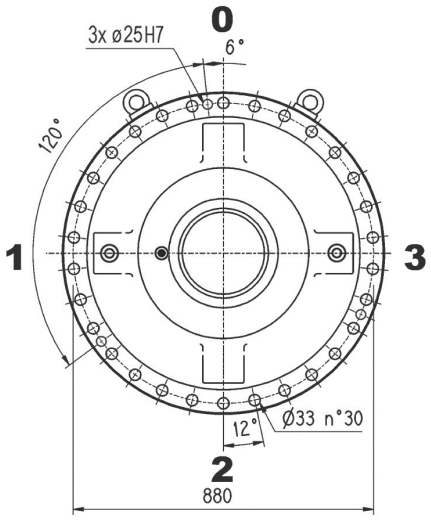
	R				R1	R2	R4	Kg			
	PC-PZ	HC-HZ	FZ - FZP	FP				PC-PZ	HC-HZ	FZ - FZP	FP
319 R4 (B)	1215	1005	1005	1005	345	292	400	2560	2260	2160	2160
319 R4 (C)	1215	1005	1005	1005	390	292	480	2580	2280	2180	2180

	V	V1	Kg	V	V1	Kg	V	V1	Kg	V	V1	Kg	C	Input	I	F	F1	F2	Type	Input	Kg
319 R4 (B)	307	60	23	—	—	—	357	60	28	—	—	—	45	B	461	195	147	1/4 G	6	B	28
319 R4 (C)	307	60	23	—	—	—	357	60	28	—	—	—	45	B		195	147	1/4 G	6	B	28

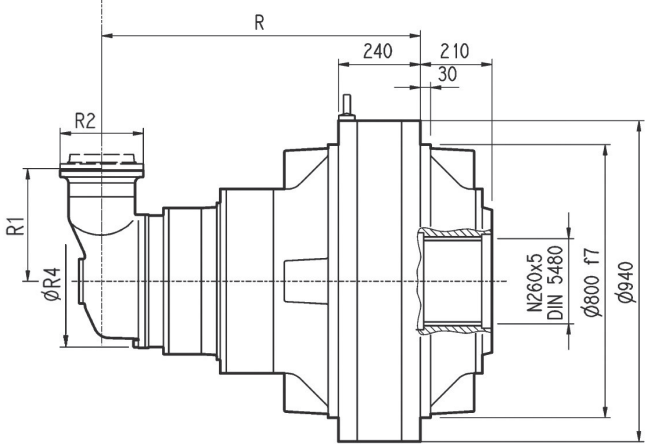
Bonfiglioli Riduttori

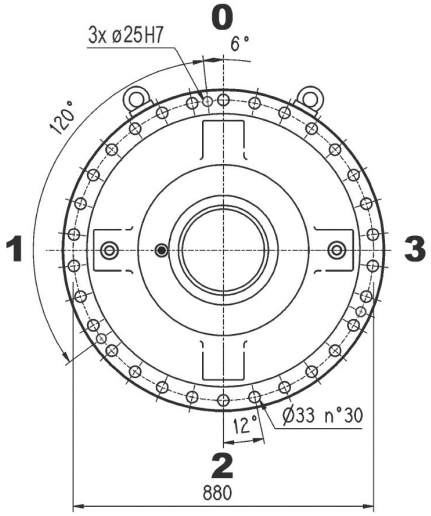
319 R



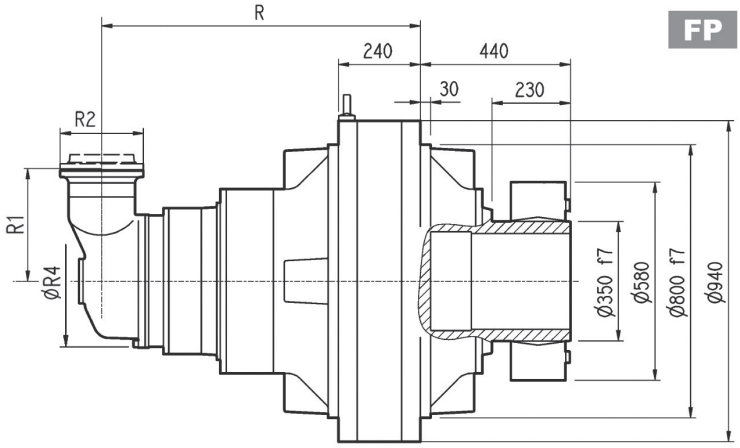


FZ

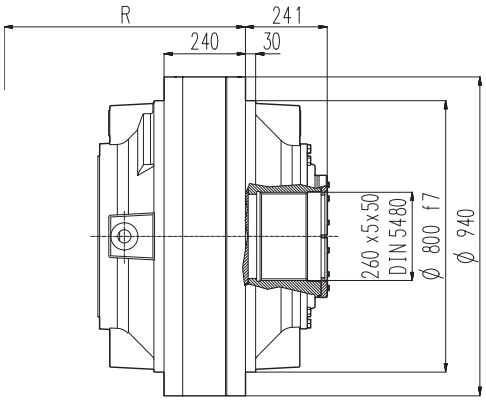




FP



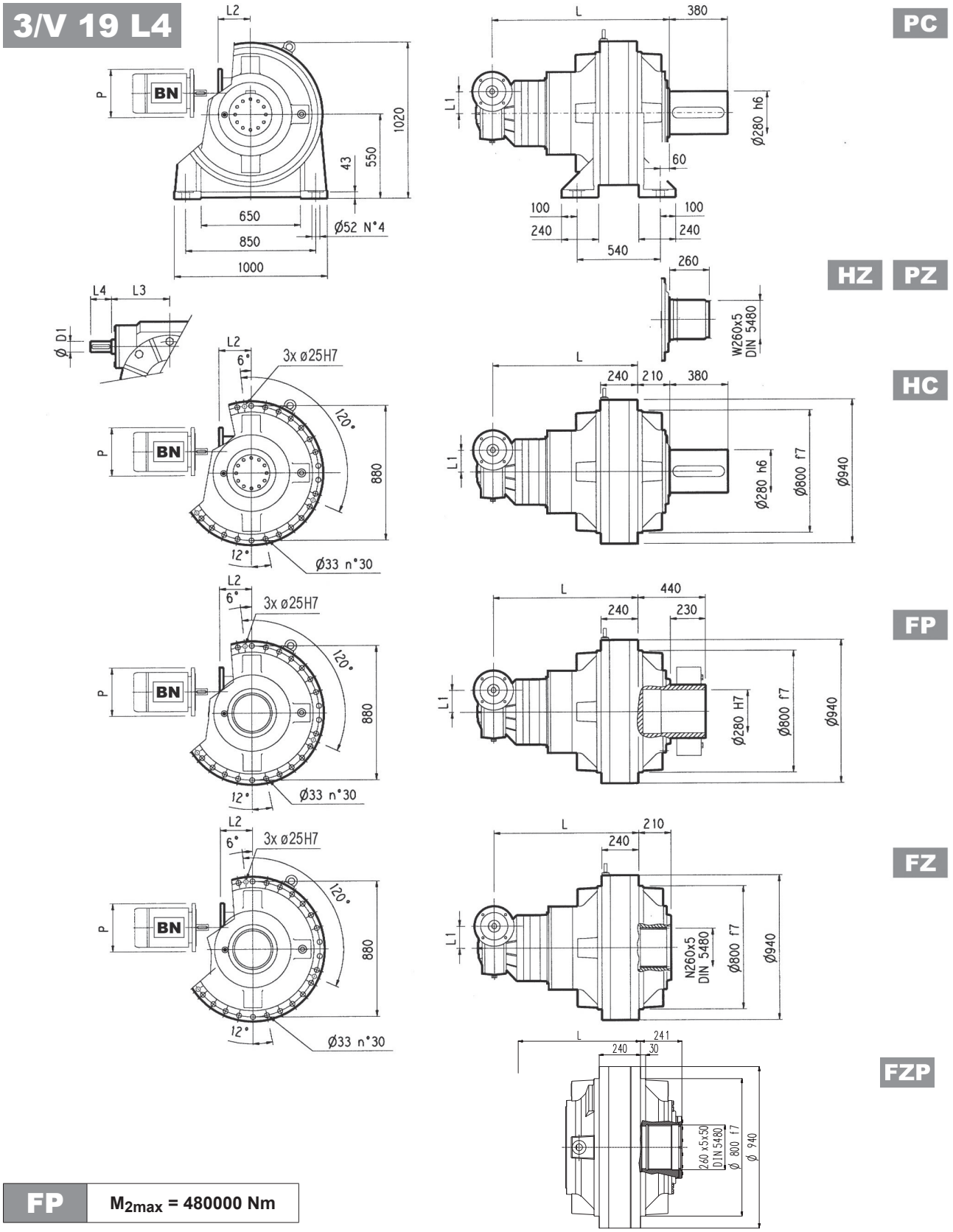
FZP



FP M_{2max} = 480000 Nm

	P132		P160		P180		P200		P225		P250	
	E	P	E	P	E	P	E	P	E	P	E	P
319 R4 (B)	—	—	—	—	152	350	182	400	212	450	193	550
319 R4 (C)	—	—	—	—	152	350	182	400	212	450	193	550

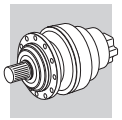
3/V 19 L4

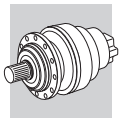


FP M_{2max} = 480000 Nm

	L				L1	D1	L3	L4	Kg			
	PC - PZ	HC - HZ	FZ - FZP	FP					PC - PZ	HC - HZ	FZ - FZP	FP
3/V 19 L4	1210	1000	1000	1000	210	48	230	110	2650	2350	2250	2250

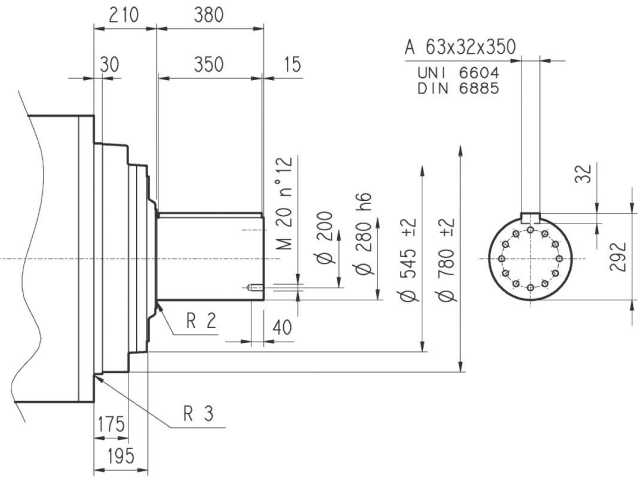
	P132		P160		P180		P200		P225	
	L2	P	L2	P	L2	P	L2	P	L2	P
3/V 19 L4	485	300	460	350	460	350	485	400	490	450



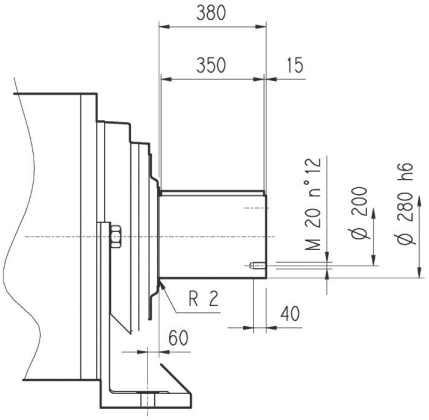


319 L | 319 R | 3/V 19 L4

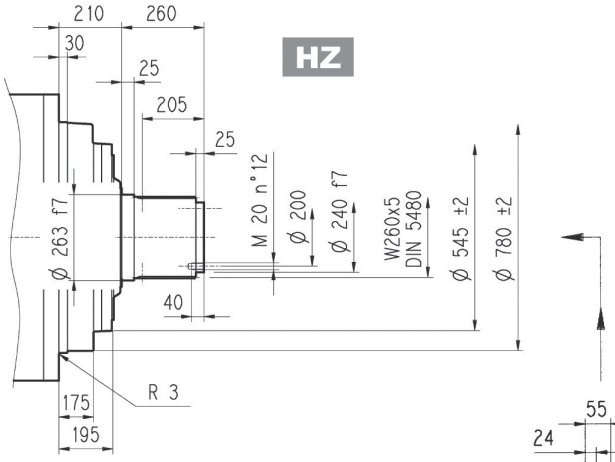
HC

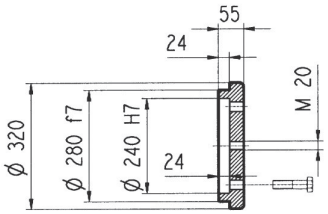


PC

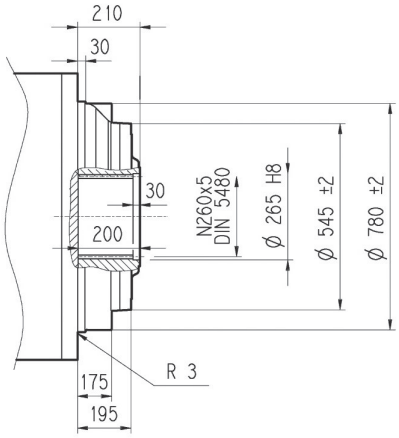


HZ

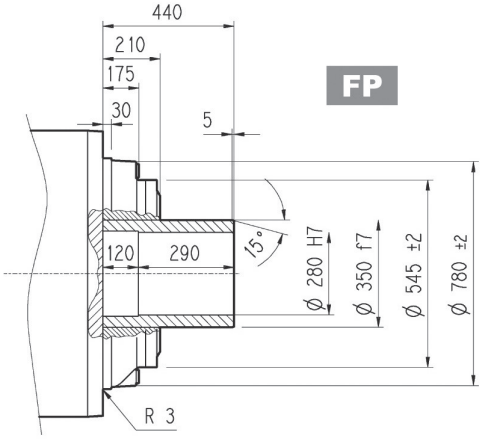




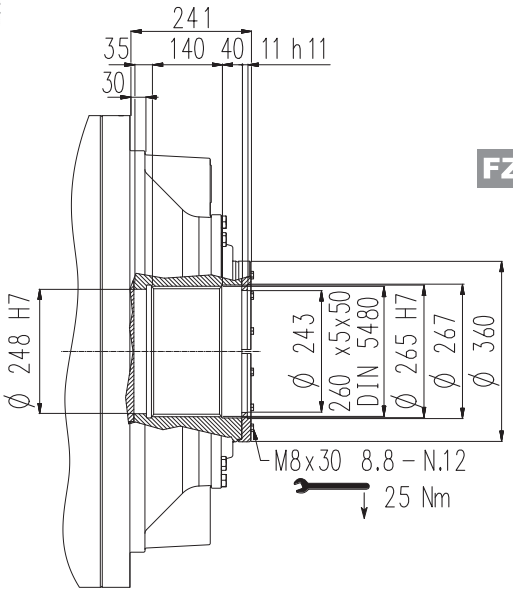
FZ



FP



FZP



FP | M_{2max} = 480000 Nm

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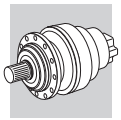
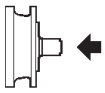
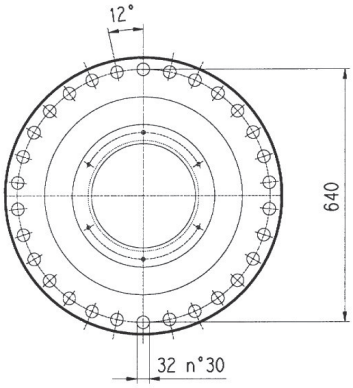


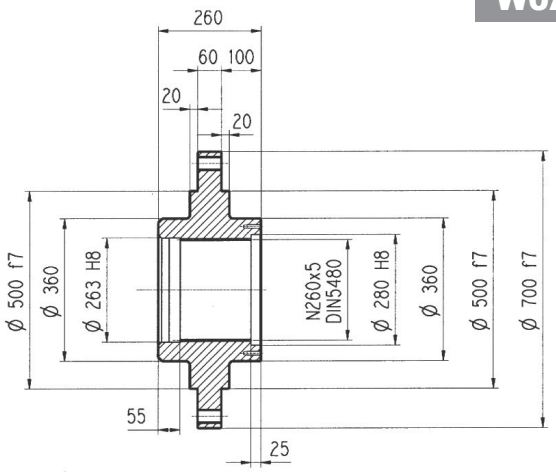
319 L | 319 R | 3/V 19 L4

Flansch

W0A



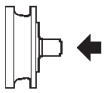


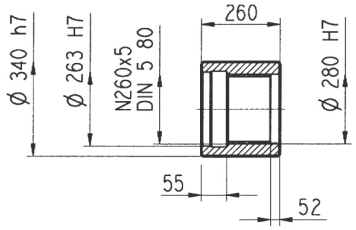


Material: Stahl C40

Naben

M0A

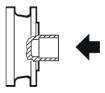


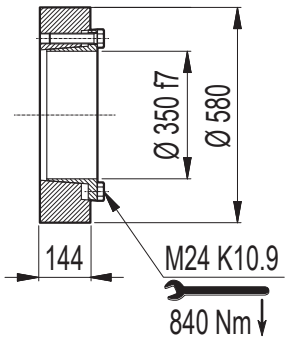


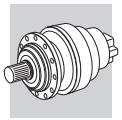
Material: Stahl 16CrNi4

Schrumpfscheibe

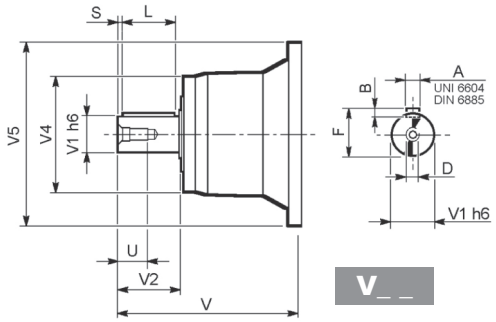
G0A



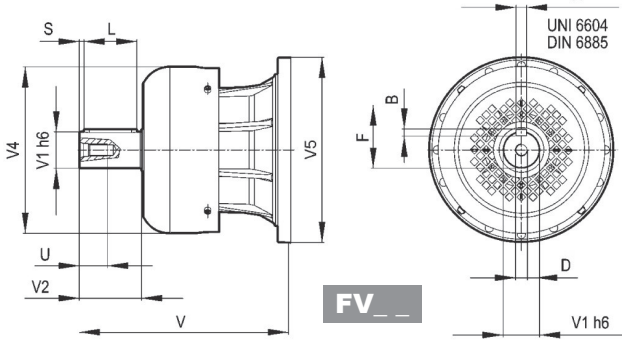




319 L 319 R



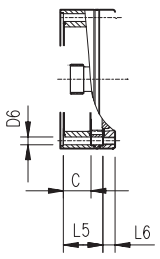
V_ _

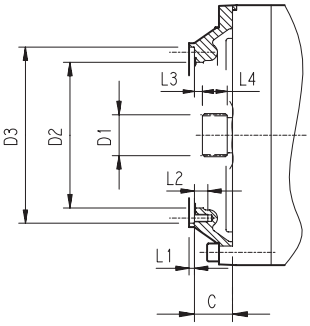


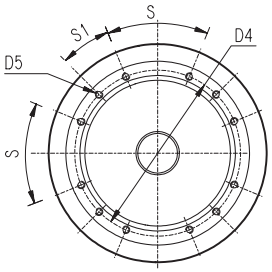
FV_ _

		V	V1	V2	V4	V5	A	B	F	L	S	D	U
319 L2	**V15B**	556	120	210	230	542	32	18	127	180	15	M24	50
319 L3	**V11B**	348	80	130	200	428	22	14	85	110	10	M16	36
	FV11B	456	80	130	347.5	428	22	14	85	110	10	M16	36
319 L4	**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
319 R4 (B) (C)	**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

319 L 319 R

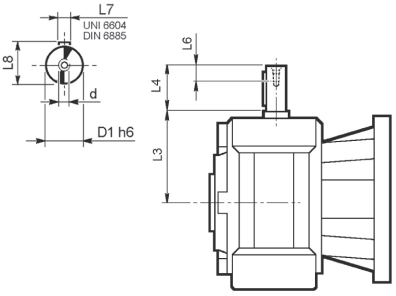






		C	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	S	S1	Input
319 L1	**V9AG**	245	150x5x28 DIN 5480	444	474 g7	503	M20 n°20	20	5	40	20	82	—	—	30°	15°	G
319 L2	**V9AE**	116	100x94 DIN 5482	340	412 H7	390	M16 n°18	—	7	30	8	55	—	—	20°	20°	E
319 L3	**V9AD**	81	80x74 DIN 5482	270	335 H7	314	M16 n°8	—	5	30	8.5	40	—	—	60°	30°	D
319 L4	**V9AB**	51	58x53 DIN 5482	195	236 H7	222	M10 n°12	—	4	18	11	22	—	—	45°	22.5°	B
319 R4	**V9AA**	37	40x36 DIN 5482	140	178 H7	165	M12 n°8	11	4	18	9	18	—	—	45°	45°	A
319 R4 (B) (C)	**V9AB**	45	58x53 DIN 5482	195	236 H7	222	M10 n°12	—	4	18	11	22	—	—	45°	22.5°	B

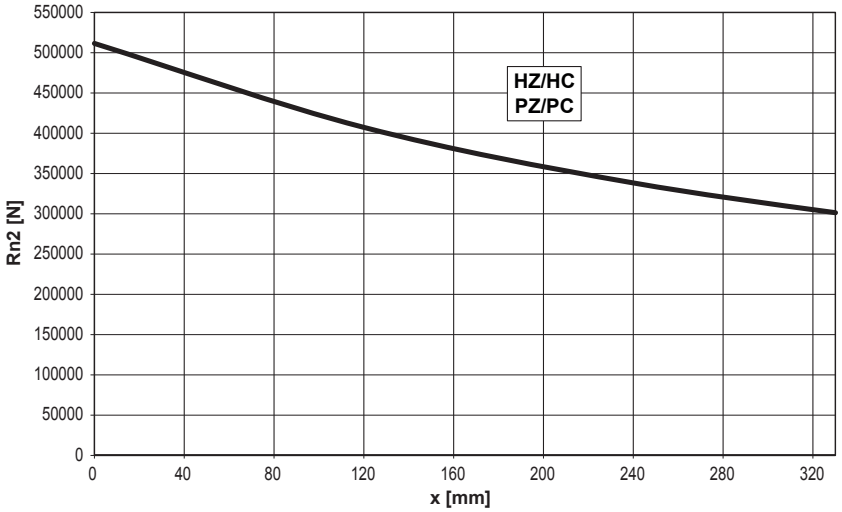
3/V 19 L4

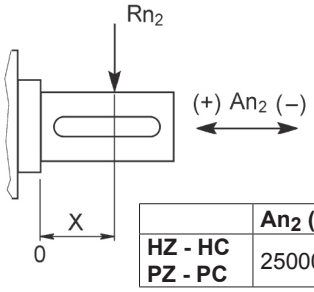


	D1 h6	L3	L4	L6	L7	L8	d
3/V 19 L4_HS	48	230	110	40	14	51.5	M16

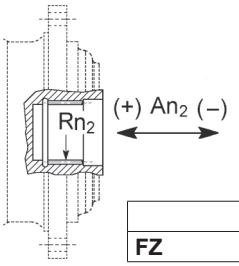
319 L | 319 R | 3/V 19 L4

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





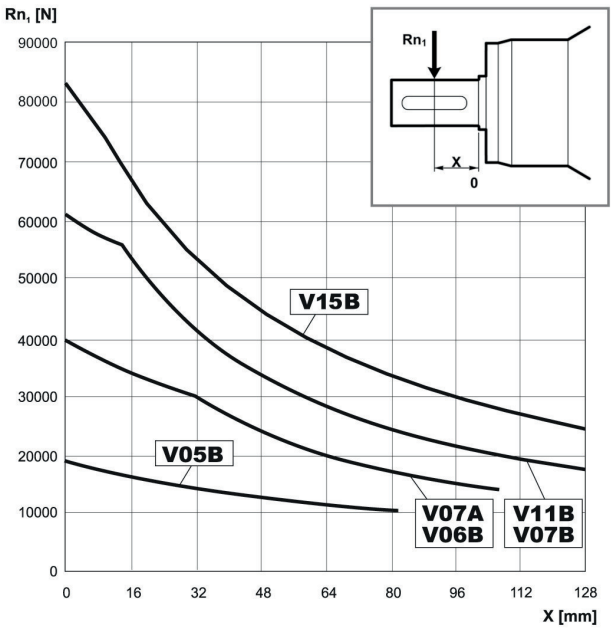
	An2 (+)	An2 (-)
HZ - HC PZ - PC	250000	225000

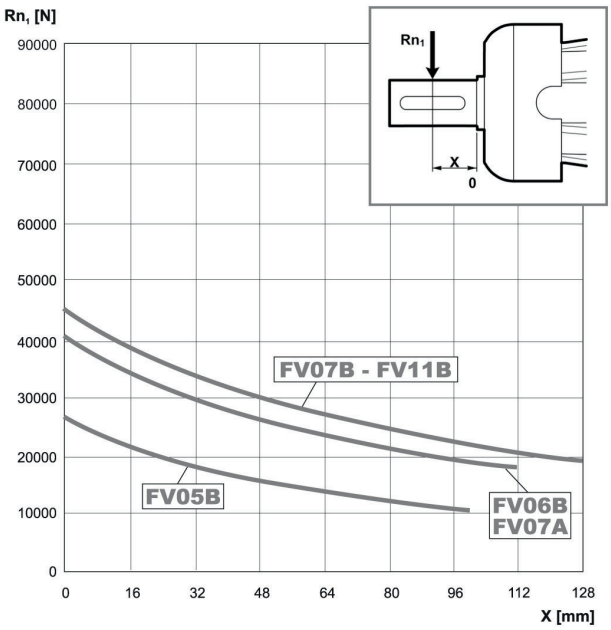


	Rn2	An2 (+/-)
FZ	92832	92832

Korrekturfaktor fh_2 für Wellenbelastungen	$Fh_2 = n_2 \cdot h$		10000	25000	50000	100000	500000	1000000
	fh_2	FZ	**2.15**	**1.59**	**1.26**	**1.00**	**0.58**	**0.46**
		HZ - HC - PZ - PC	**1.75**	**1.52**	**1.23**	**1.00**	**0.62**	**0.50**

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





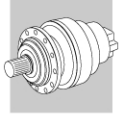
Korrekturfaktor fh_1 für Wellenbelastungen	$Fh_1 = n_1 \cdot h$	250000	500000	1000000	2000000	5000000	10000000
	fh_1	**1**	**0.79**	**0.63**	**0.50**	**0.37**	**0.29**

319 L

428

471190 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	4.88	471190	383900	311830	253280	156280	126940	380	115	200	300	—	—	680000
	5.77	356270	305830	272430	249240	153790	124910	380	115	200	300	—	—	680000
L2	20.7	471190	383900	311830	253280	156280	126940	260	70	500	900	—	—	680000
	24.5	356270	305830	272430	249240	153790	124910	260	70	500	900	—	—	680000
	26.0	471190	383900	311830	253280	156280	126940	260	70	500	900	—	—	680000
	30.8	356270	305830	272430	249240	153790	124910	260	70	500	900	—	—	680000
	35.8	336430	305830	272430	249240	153790	124910	260	70	500	900	—	—	680000
L3	84.8	471190	383900	311830	253280	156280	126940	200	50	1500	1800	—	—	680000
	100	356270	305830	272430	249240	153790	124910	200	50	1500	1800	—	—	680000
	109	471190	383900	311830	253280	156280	126940	200	50	1500	1800	—	—	680000
	126	356270	305830	272430	249240	153790	124910	200	50	1500	1800	3200	6L	680000
	129	443030	383900	311830	253280	156280	126940	200	50	1500	1800	—	—	680000
	137	471190	383900	311830	253280	156280	126940	200	50	1500	1800	—	—	680000
	162	356270	305830	272430	249240	153790	124910	200	50	1500	1800	2600	6K	680000
	188	288420	284000	283990	253280	156280	126940	200	50	1500	1800	2100	6G	680000
	192	356270	305830	272430	249240	153790	124910	200	50	1500	1800	2100	6G	680000
	223	336430	305830	272430	249240	153790	124910	200	50	1500	1800	2100	6G	680000
L4	291	471190	383900	311830	253280	156280	126940	115	30	1500	2500	2100	6G	680000
	347	471190	383900	311830	253280	156280	126940	115	30	1500	2500	2100	6G	680000
	410	356270	305830	272430	249240	153790	124910	115	30	1500	2500	1100	6C	680000
	445	471190	383900	311830	253280	156280	126940	115	30	1500	2500	2100	6G	680000
	515	356270	305830	272430	249240	153790	124910	115	30	1500	2500	850	6B	680000
	528	406490	383900	311830	253280	156280	126940	115	30	1500	2500	850	6B	680000
	558	471190	383900	311830	253280	156280	126940	115	30	1500	2500	850	6B	680000
	571	443030	383900	311830	253280	156280	126940	115	30	1500	2500	850	6B	680000
	625	356270	305830	272430	249240	153790	124910	101	30	1500	2500	850	6B	680000
	678	433020	383900	311830	253280	156280	126940	113	30	1500	2500	850	6B	680000



319 L	428	471190 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]
L4	717	471190	383900	311830	253280	156280	126940	115	30	1500	2500	850	6B	680000
	802	356270	305830	272430	249240	153790	124910	79	30	1500	2500	850	6B	680000
	850	438750	383900	311830	253280	156280	126940	92	30	1500	2500	850	6B	680000
	912	336430	305830	272430	249240	153790	124910	65	30	1500	2500	850	6B	680000
	1007	356270	305830	272430	249240	153790	124910	63	30	1500	2500	850	6B	680000
	1195	356270	305830	272430	249240	153790	124910	53	30	1500	2500	850	6B	680000
	1389	336430	305830	272430	249240	153790	124910	43	30	1500	2500	850	6B	680000

319 R

430

471190 Nm

C

	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]
R4	249	396290	300980	244480	198580	122540	99540	150	95	1500	2500	2100	6G	680000
	320	471190	358410	291120	236470	145920	118530	150	95	1500	2500	2100	6G	680000
	379	443030	383900	311830	253280	156280	126940	150	95	1500	2500	1500	6E	680000
	401	471180	383900	311830	253280	156280	126940	150	95	1500	2500	1500	6E	680000
	475	356250	305810	272430	249240	153790	124910	133	95	1500	2500	1100	6C	680000
	563	356280	305810	272430	249240	153790	124910	112	95	1500	2500	850	6B	680000
	655	336410	305810	272430	249240	153790	124910	91	95	1500	2500	850	6B	680000
	345	453930	344660	279970	227410	140330	114010	150	115	1500	2500	1500	6E	680000
	442	471160	383900	311830	253280	156280	126940	150	115	1500	2500	1500	6E	680000
	525	443030	383900	311830	253280	156280	126940	150	115	1500	2500	1100	6C	680000
	555	471190	383900	311830	253280	156280	126940	150	115	1500	2500	850	6B	680000
	657	356250	305810	272430	249240	153790	124910	96	115	1500	2500	850	6B	680000
	780	356280	305810	272430	249240	153790	124910	81	115	1500	2500	850	6B	680000
	906	336410	305810	272430	249240	153790	124910	66	115	1500	2500	850	6B	680000