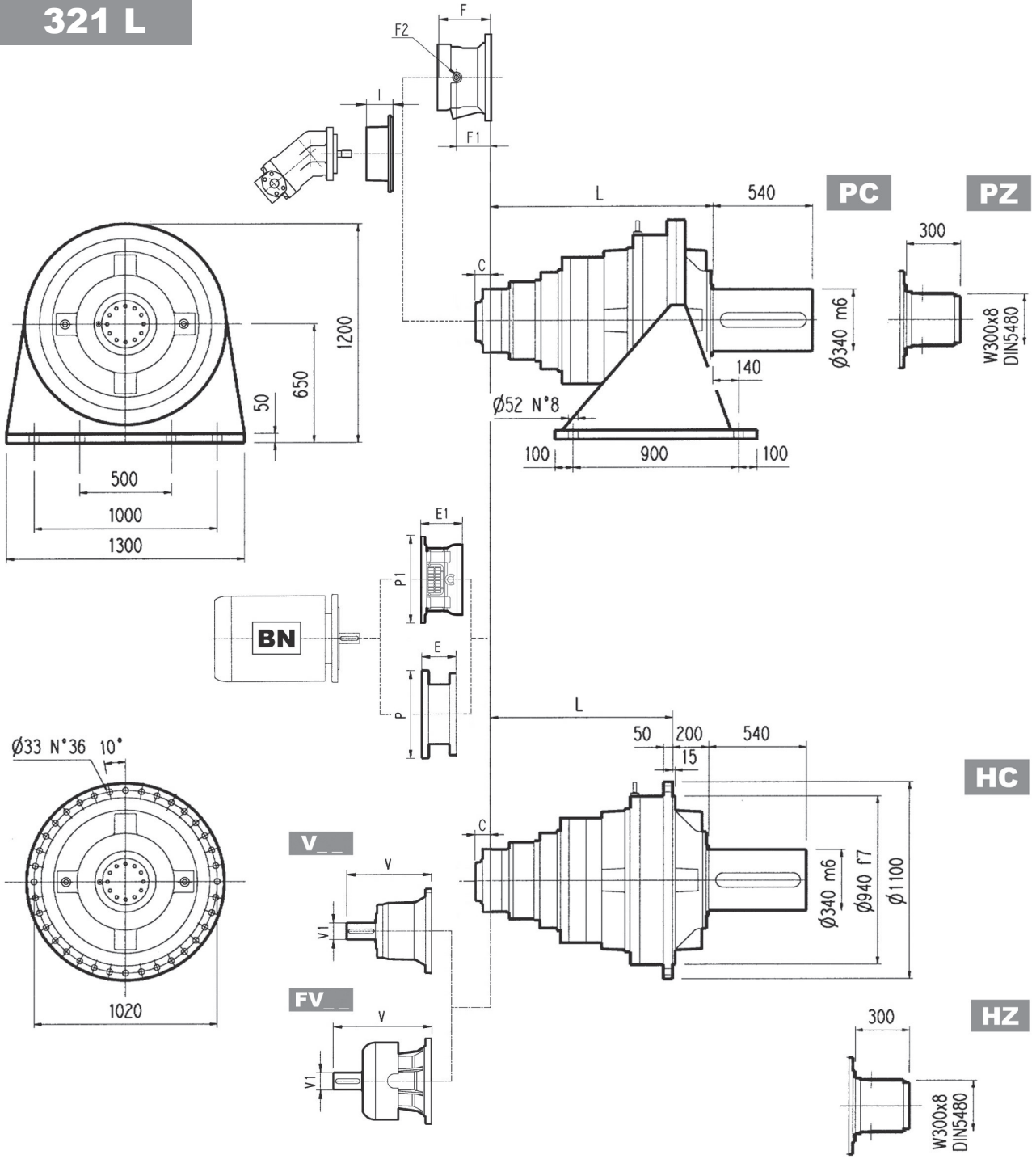
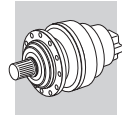


# 321 L

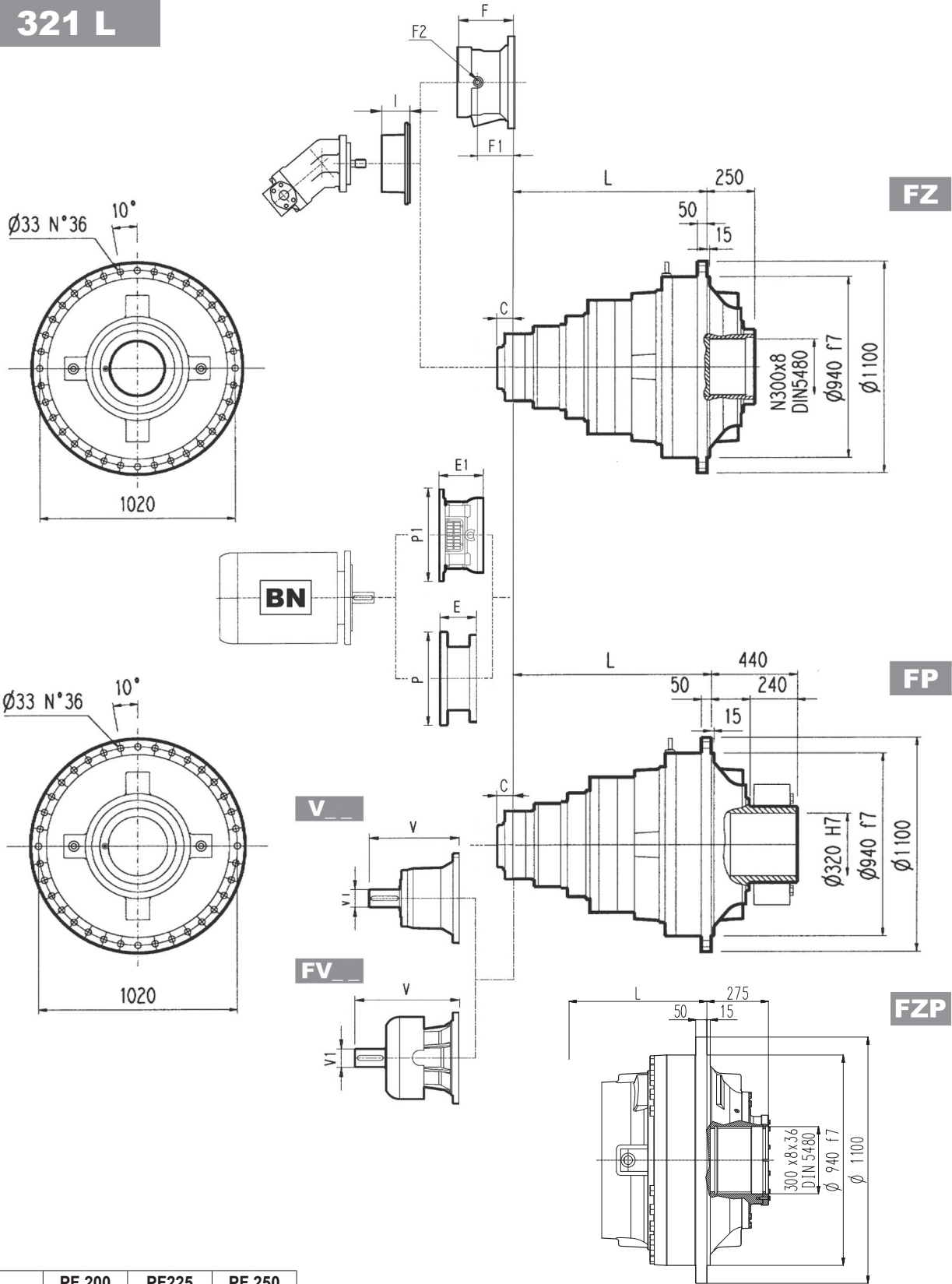


	L				Kg			
	PC - PZ	HC - HZ	FZ - FZP	FP	PC - PZ	HC - HZ	FZ - FZP	FP
321 L2	795	595	595	595	3000	2700	2600	2600
321 L3	1104	904	904	904	3120	2820	2720	2720
321 L4	1253	1053	1053	1053	3180	2880	2780	2780

	V			V1			V			V1			C	Input	I	F	F1	F2	Type	Input	Kg
	V	V1	Kg	V	V1	Kg	V	V1	Kg	V	V1	Kg									
321 L2	—	—	—	—	—	—	—	—	—	—	—	—	181	F	↔	—	—	—	—	—	—
321 L3	343	80	55	—	—	—	451	80	71	—	—	—	75	D	↔	—	—	—	—	—	—
321 L4	315	80	35	313	60	28	375	80	48	363	60	34	51	B	↔	201	153	1/4 G	6	B	28



# 321 L

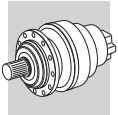


	PF 200		PF225		PF 250	
	E1	P1	E1	P1	E1	P1
321 L4	197	530	227	530	227	550

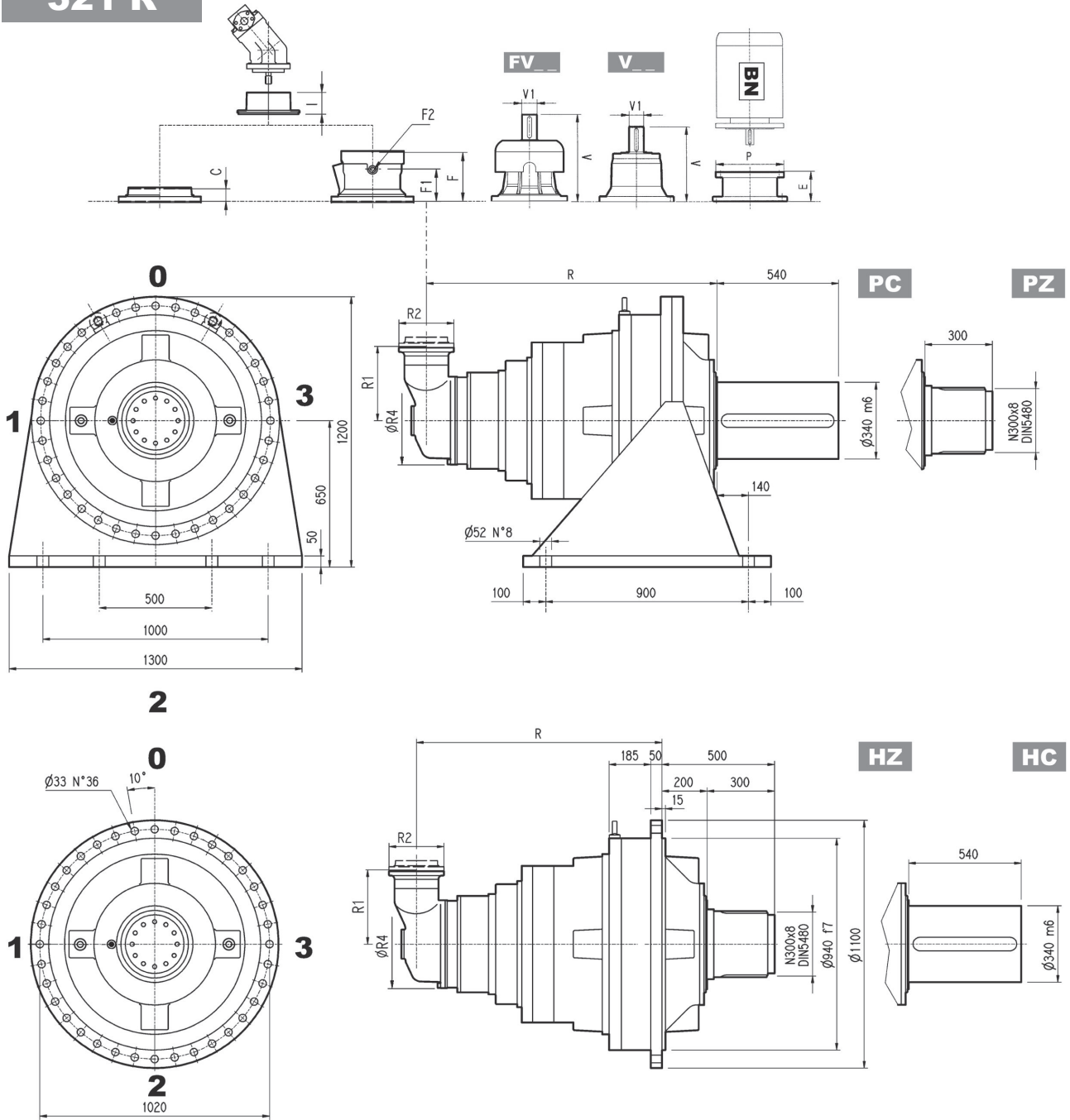
Bemerkung: Für R Design kontaktieren Sie den technischen Service von Bonfiglioli

**FP**  $M_{2max} = 72000 \text{ Nm}$

	P180		P200		P225		P250	
	E	P	E	P	E	P	E	P
321 L4	195	350	186	400	216	450	216	550

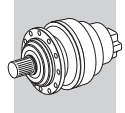


# 321 R

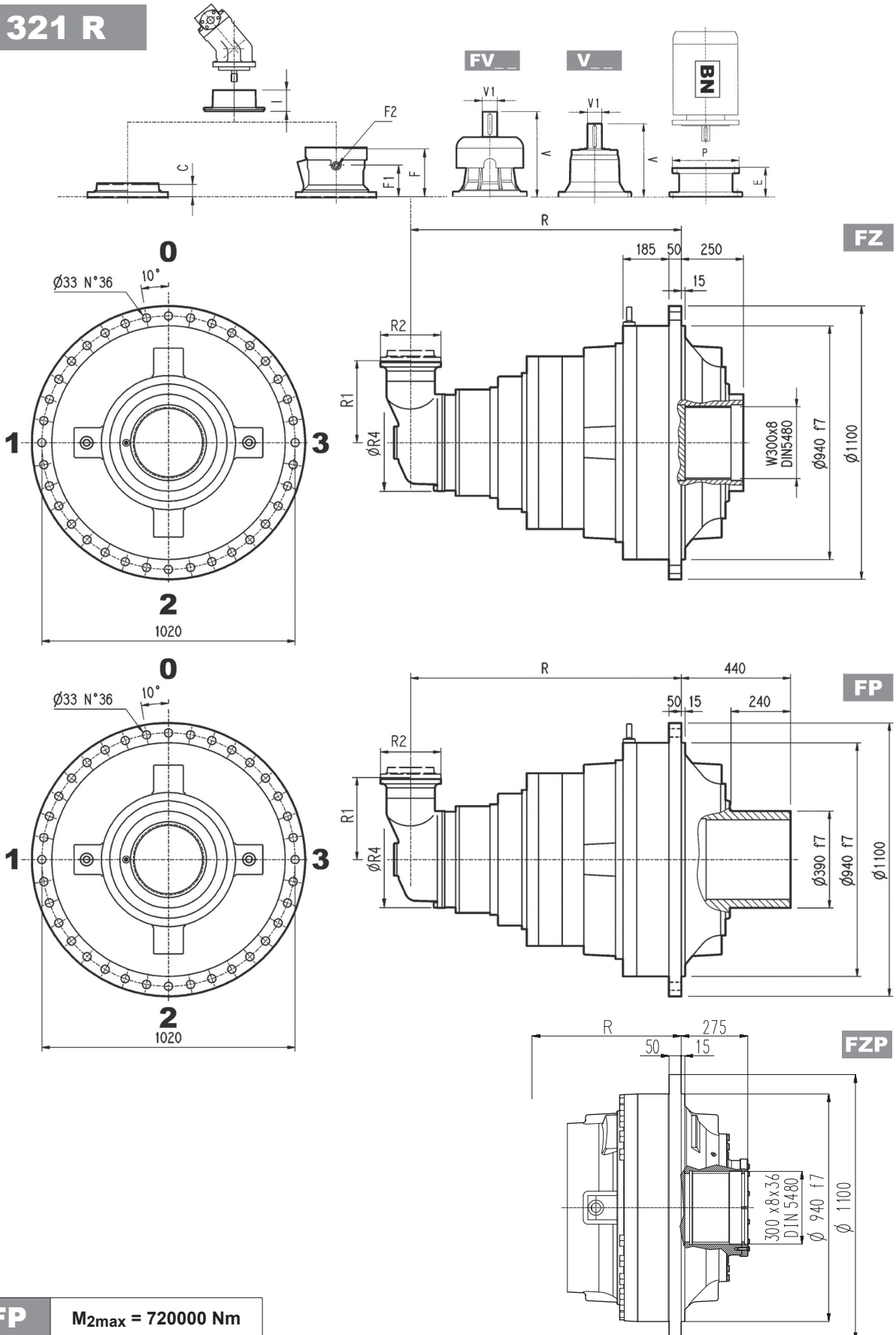


	R				R1	R2	R4	Kg			
	PC-PZ	HC-HZ	FZ - FZP	FP				PC-PZ	HC-HZ	FZ - FZP	FP
321 R4 (B)	1334	1134	1134	1134	345	292	400	3250	2950	2850	2850
321 R4 (C)	1334	1134	1134	1134	390	292	480	3260	2960	2860	2860

	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									
321 R4 (B)	307	60	23	—	—	—	357	60	28	—	—	—	45	B	461	195	147	1/4 G	6	B	28
321 R4 (C)	307	60	23	—	—	—	357	60	28	—	—	—	45	B	461	195	147	1/4 G	6	B	28

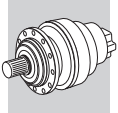


# 321 R

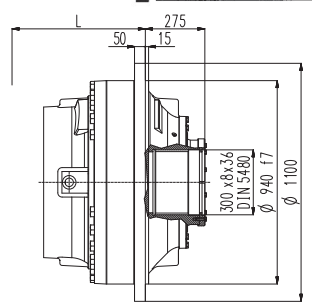
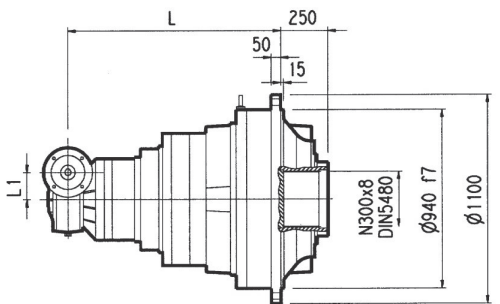
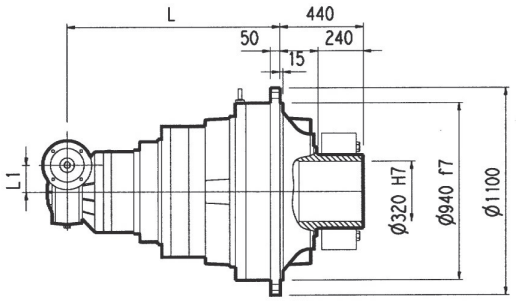
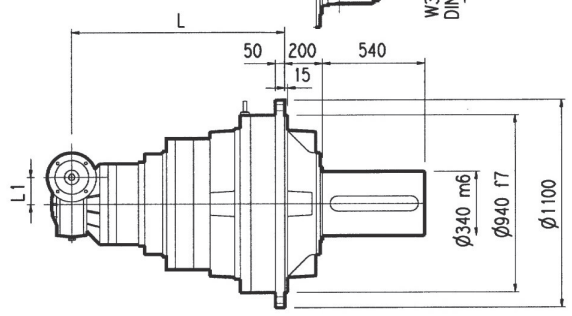
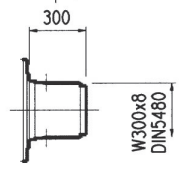
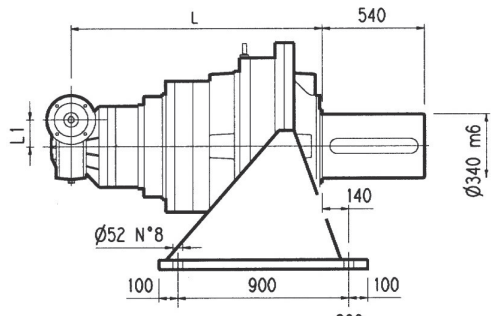
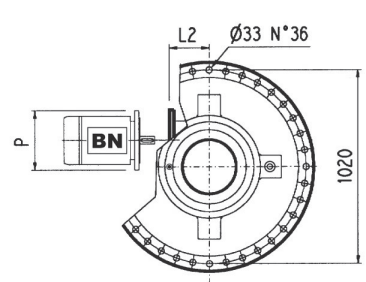
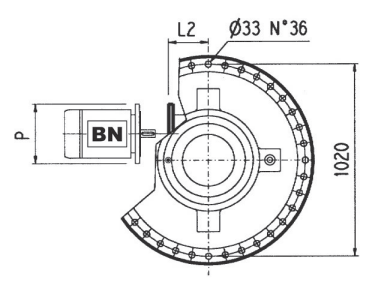
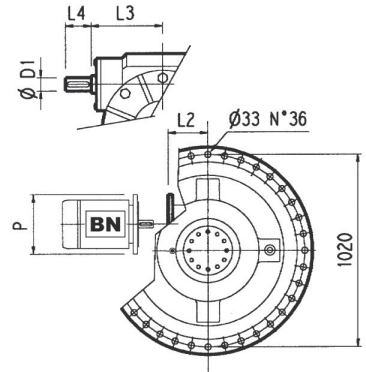
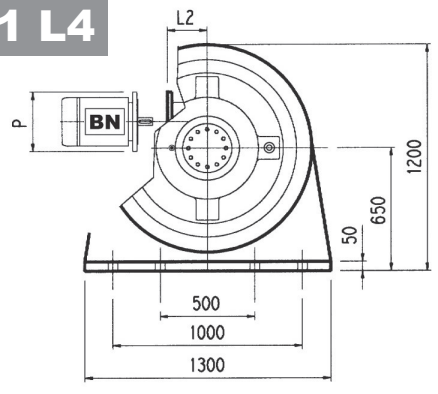


**FP**  $M_{2max} = 720000 \text{ Nm}$

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



# 3/V 21 L4



PC

HZ

PZ

HC

FP

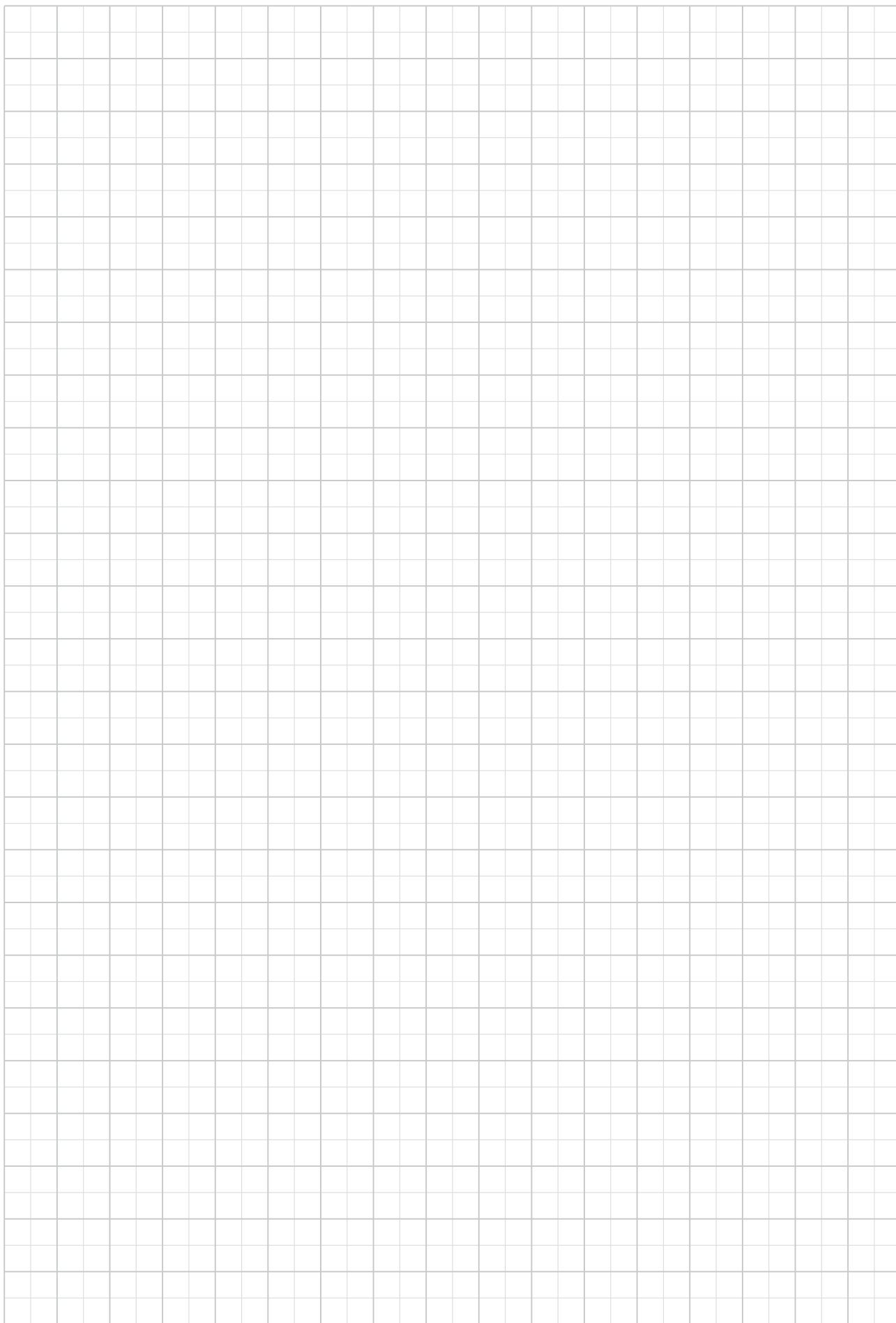
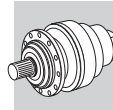
FZ

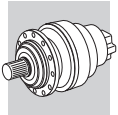
FZP

**FP**  $M_{2max} = 720000 \text{ Nm}$

	L				L1	L2	D1	L3	L4	Kg				
	PC - PZ	HC - HZ	FZ - FZP	FP							PC - PZ	HC - HZ	FZ - FZP	FP
3/V 21 L4	1374	1174	1174	1174	250	—	55	276	110		3430	3130	3030	3030

	P132		P160		P180		P200		P225	
	L2	P	L2	P	L2	P	L2	P	L2	P
3/V 21 L4	531	300	506	350	506	350	531	400	536	450





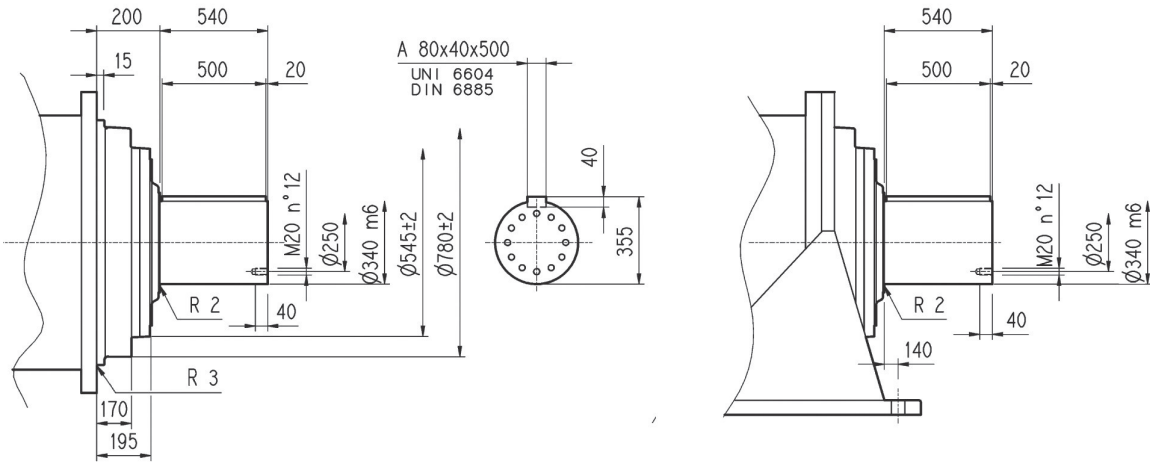
**321 L**

**321 R**

**3/V 21 L4**

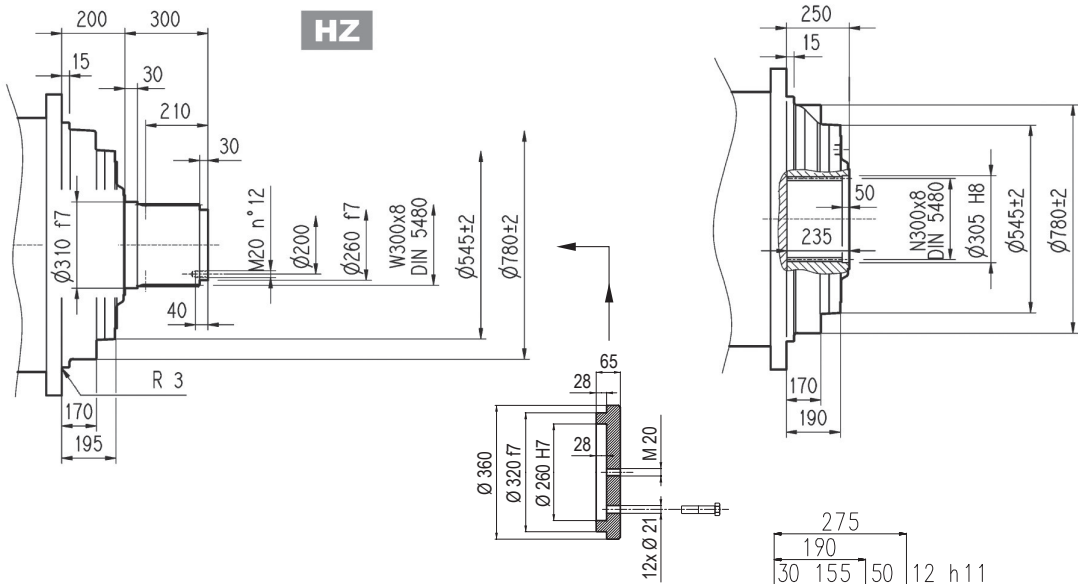
**HC**

**PC**



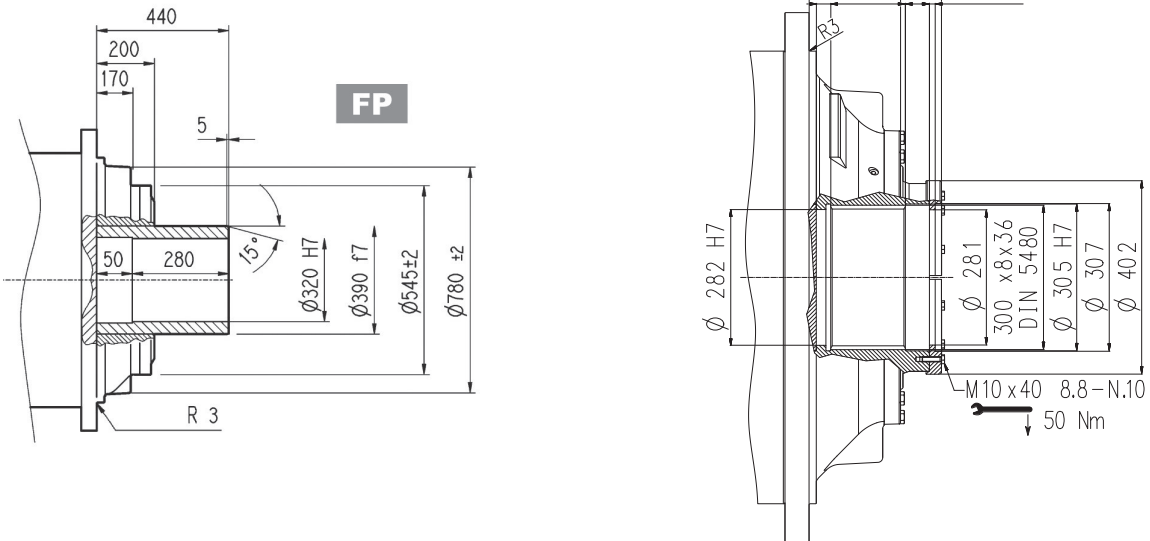
**HZ**

**FZ**

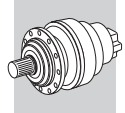


**FP**

**FZP**



**FP**  $M_{2max} = 720000 \text{ Nm}$



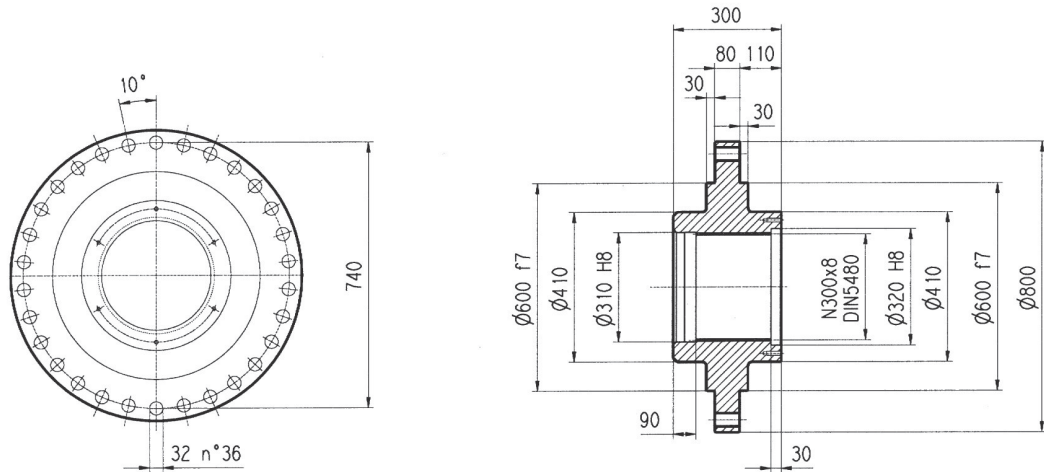
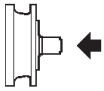
**321 L**

**321 R**

**3/V 21 L4**

**Flansch**

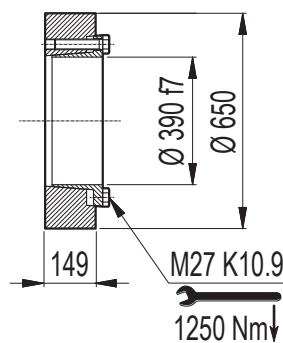
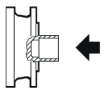
**W0A**



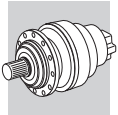
Material: Stahl C40

**Schrumpfscheibe**

**G0A**

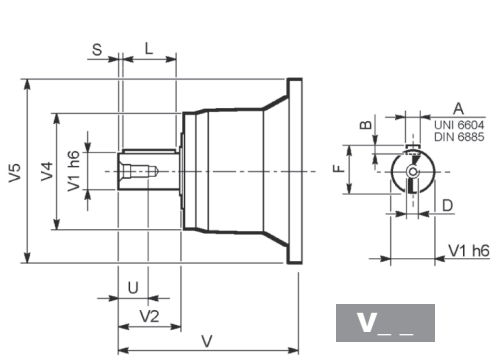




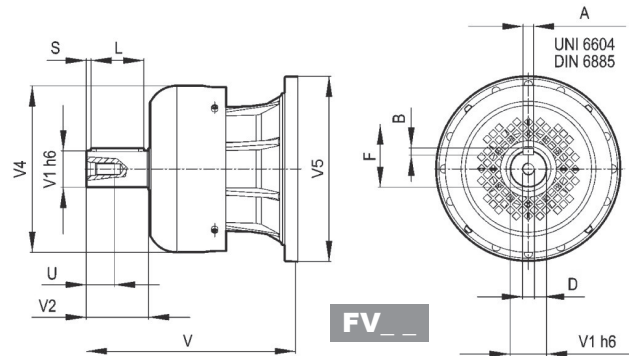


## 321 L

## 321 R



V\_\_

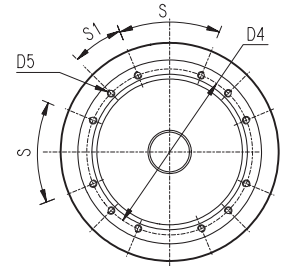
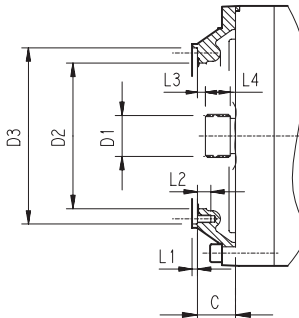
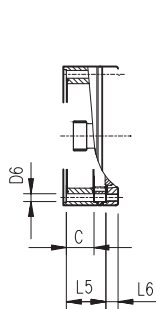


FV\_\_

		V	V1	V2	V4	V5	A	B	F	L	S	D	U
321 L3	V11B	343	80	130	200	445	22	14	85	110	10	M16	36
	FV11B	451	80	130	347.5	445	22	14	85	110	10	M16	36
321 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
321 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

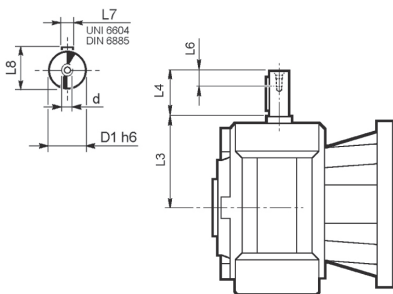
## 321 L

## 321 R

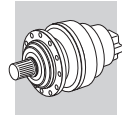


		C	D1	D2	D3	D4	D5	D6	L1	L2	L3	L4	L5	L6	S	S1	Input
321 L1			Wenden Sie sich an den Technischen Kundendienst Bonfiglioli														
321 L2	V9AF	181	120x3 DIN 5480	365	390 f7	415	M16 n°18	—	4	30	3	65	—	—	20°	20°	F
321 L3	V9AD	75	80x74 DIN 5482	270	335 H7	314	M16 n°8	—	5	30	9.5	40	—	—	60°	30°	D
321 L4	V9AB	51	58x53 DIN 5482	195	236 H7	222	M10 n°12	—	4	18	11	22	—	—	45°	22.5°	B
321 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 21 L4



	D1 h6	L3	L4	L6	L7	L8	d
3/V 21 L4_HS	55	276	110	40	16	59	M16

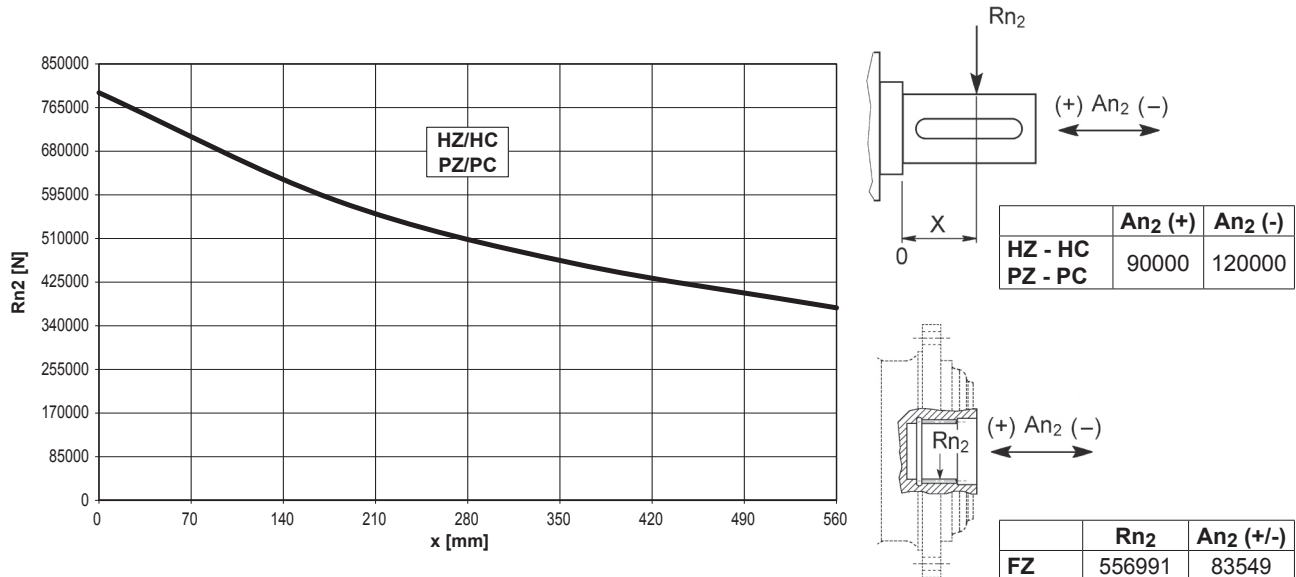


**321 L**

**321 R**

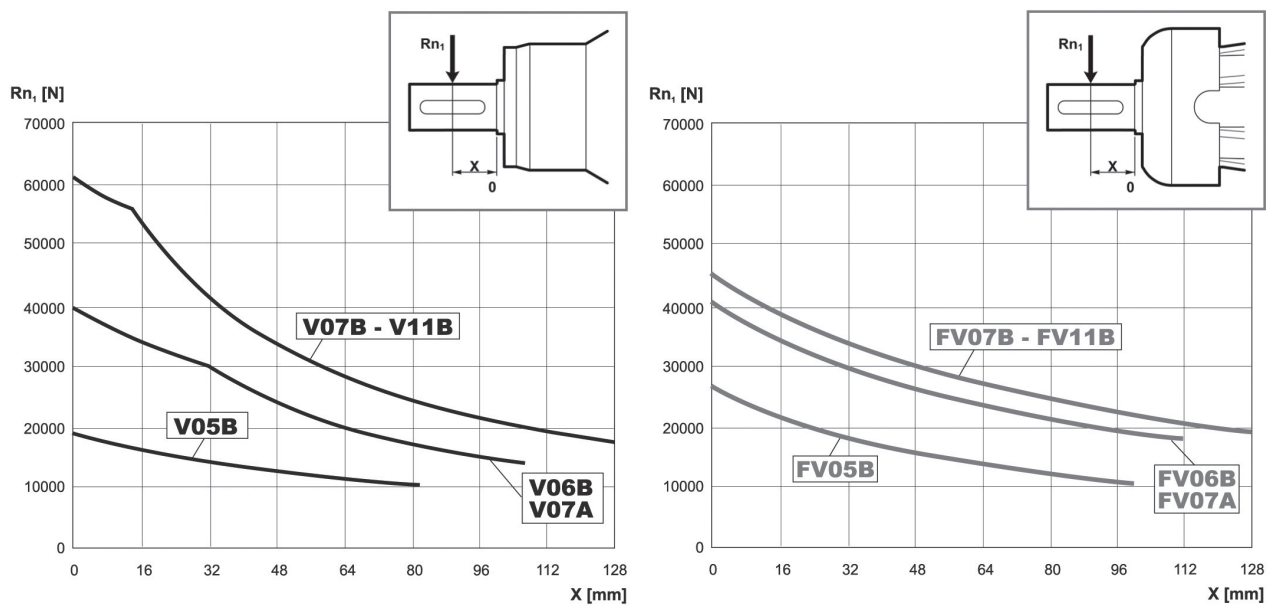
**3/V 21 L4**

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
	HZ - HC - PZ - PC	1.54	1.35	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	0.29

**321 L**

438

**655740 Nm**



	i	$M_{n2}$ [Nm]						$P_1$	$P_t$	$n_1$	$n_{1max}$	$M_b$		$M_{2max}$	
		$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$								[kW]
	1:	10000	25000	50000	100000	500000	1000000								
L1	4.44	655740	517290	420170	341290	210580	171050	540	115	200	300	—	—	934000	
	L2	18.2	655740	517290	420170	341290	210580	171050	300	95	200	300	—	—	934000
		23.3	655740	517290	420170	341290	210580	172000	300	95	200	300	—	—	934000
	27.7	536350	517290	420170	341290	210580	171050	300	95	200	300	—	—	934000	
L3	75.3	655740	517290	420170	341290	210580	171050	250	60	1000	1200	—	—	934000	
	98.2	655740	517290	420170	341290	210580	171050	250	60	1000	1200	—	—	934000	
	118	655740	517290	420170	341290	210580	171050	250	60	1000	1200	—	—	934000	
	126	655740	517290	420170	341290	210580	172000	250	60	1000	1200	—	—	934000	
	152	655740	517290	420170	341290	210580	172000	250	60	1000	1200	—	—	934000	
	180	536350	517290	420170	341290	210580	171050	250	60	1000	1200	—	—	934000	
L4	258	655740	517290	420170	341290	210580	171050	150	35	1500	2000	2100	6G	934000	
	308	655740	517290	420170	341290	210580	171050	150	35	1500	2000	2100	6G	934000	
	395	655740	517290	420170	341290	210580	171050	150	35	1500	2000	2100	6G	934000	
	469	655740	517290	420170	341290	210580	171050	150	35	1500	2000	1500	6E	934000	
	515	655740	517290	420170	341290	210580	171050	150	35	1500	2000	1500	6E	934000	
	612	655740	517290	420170	341290	210580	171050	150	35	1500	2000	1100	6C	934000	
	736	655740	517290	420170	341290	210580	171050	130	35	1500	2000	850	6B	934000	
	796	655740	517290	420170	341290	210580	172000	120	35	1500	2000	850	6B	934000	
	945	655740	517290	420170	341290	210580	172000	101	35	1500	2000	850	6B	934000	
	1122	536350	517290	420170	341290	210580	171050	79	35	1500	2000	850	6B	934000	

C

**321 R**

440

**655200 Nm**

	i	$M_{n2}$ [Nm]						$P_1$	Pt	$n_1$	$n_{1max}$	$M_b$		$M_{2max}$
		$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$	$n_2 \cdot h$							
R4	221	374000	281300	226400	181800	111130	90320	150	105	1500	2500	2600	6K	934000
	288	447500	340100	268500	216800	133790	108740	150	105	1500	2500	2100	6G	934000
	347	506300	377100	307000	247800	152340	123900	150	105	1500	2500	2100	6G	934000
	370	528500	402100	317800	264200	159330	129500	150	105	1500	2500	2100	6G	934000
	446	587310	445420	366500	293970	181430	147460	150	105	1500	2500	2100	6G	934000
	529	536350	503040	410200	331430	204550	166260	150	105	1500	2500	1500	6E	934000
	306	401340	304660	247480	201030	124050	100790	150	125	1500	2500	2100	6G	934000
	399	483180	366770	297930	242020	149350	121350	150	125	1500	2500	2100	6G	934000
	481	550170	417600	339230	275560	170050	138170	132	125	1500	2500	1100	6C	934000
	512	575410	436760	354790	288200	177850	144510	125	125	1500	2500	1100	6C	934000
	617	655200	497290	403960	328150	202500	164540	120	125	1500	2500	1100	6C	934000
	732	536360	517290	420170	341290	210580	171050	113	125	1500	2500	850	6B	934000