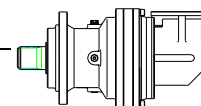


**NB311L**

**M2'=35000N.m**

	I 1:	Mn <sub>2</sub> (N.m)						P <sub>1</sub> (KW)	P <sub>t</sub> (KW) (ta=20°C) (n <sub>1</sub> =1500)	n <sub>1</sub> (min <sup>-1</sup> )	n <sub>1max</sub> (min <sup>-1</sup> )	M <sub>b</sub> (N.m)	Brake type 制动器
		n <sub>2.h</sub> 10000	n <sub>2.h</sub> 25000	n <sub>2.h</sub> 50000	n <sub>2.h</sub> 100000	n <sub>2.h</sub> 500000	n <sub>2.h</sub> 1000000						
L1	4.1	45000	45000	37400	32000	19700	16000	180	35	750	1000		
	5.3	43000	36500	32300	32000	19700	16000	180	35	750	1000		
	6.2	34000	29500	27000	27000	18600	15100	180	35	750	1000		
L2	14.0	45000	45000	37400	32000	19700	16000	100	25	1500	2500	3200	6L
	18.0	45000	45000	37400	32000	19700	16000	100	25	1500	2500	3200	6L
	23.1	43000	36500	32300	32000	19700	16000	100	25	1500	2500	2600	6K
	27.6	43000	36500	32300	32000	19700	16000	100	25	1500	2500	2100	6G
	32.7	43000	36500	32300	32000	19700	16000	90	25	1500	2500	2100	6G
	38.8	34000	29500	27000	27000	18600	15100	80	25	1500	2500	1500	6E
	51.4	45000	45000	37400	32000	19700	16000	60	18	1 750	3 500	1000	5K
L3	66.0	45000	45000	37400	32000	19700	16000	50	18	1 750	3 500	1000	5K
	75.6	45000	45000	37400	32000	19700	16000	46	18	1 750	3 500	800	5G
	84.7	43000	36500	32300	32000	19700	16000	42	18	1 750	3 500	630	5E
	97.0	43000	36500	32300	32000	19700	16000	38	18	1 750	3 500	630	5E
	116	43000	36500	32300	32000	19700	16000	35	18	1 750	3 500	500	5C
	138	43000	36500	32300	32000	19700	16000	30	18	1 750	3 500	500	5C
	154	43000	36500	32300	32000	19700	16000	28	18	1 750	3 500	400	5B
	188	43000	36500	32300	32000	19700	16000	25	18	1 750	3 500	400	5B
	223	43000	36500	32300	32000	19700	16000	22	18	1 750	3 500	400	5B
	265	34000	29500	27000	27000	18600	15100	16	18	1 750	3 500	400	5B
L4	256	45000	45000	37400	32000	19700	16000	23	11	1 750	3 500	260	4F
	287	43000	36500	32300	32000	19700	16000	21	11	1 750	3 500	260	4F
	336	45000	45000	37400	32000	19700	16000	18	11	1 750	3 500	260	4F
	436	45000	45000	37400	32000	19700	16000	14	11	1 750	3 500	160	4D
	560	43000	36500	32300	32000	19700	16000	11.2	11	1 750	3 500	160	4D
	666	43000	36500	32300	32000	19700	16000	9.5	11	1 750	3 500	100	4B
	795	43000	36500	32300	32000	19700	16000	8	11	1 750	3 500	100	4B
	886	43000	36500	32300	32000	19700	16000	7.3	11	1 750	3 500	100	4B
	1106	43000	36500	32300	32000	19700	16000	6	11	1 750	3 500	100	4B
	1353	43000	36500	32300	32000	19700	16000	5	11	1 750	3 500	50	4A
1606	43000	36500	32300	32000	19700	16000	4.3	11	1 750	3 500	50	4A	
1906	34000	29500	27000	27000	18600	15100	3.1	11	1 750	3 500	50	4A	

**M<sub>2max</sub>=1.2×Mn<sub>2</sub>(n<sub>2</sub>×h=10 000)**



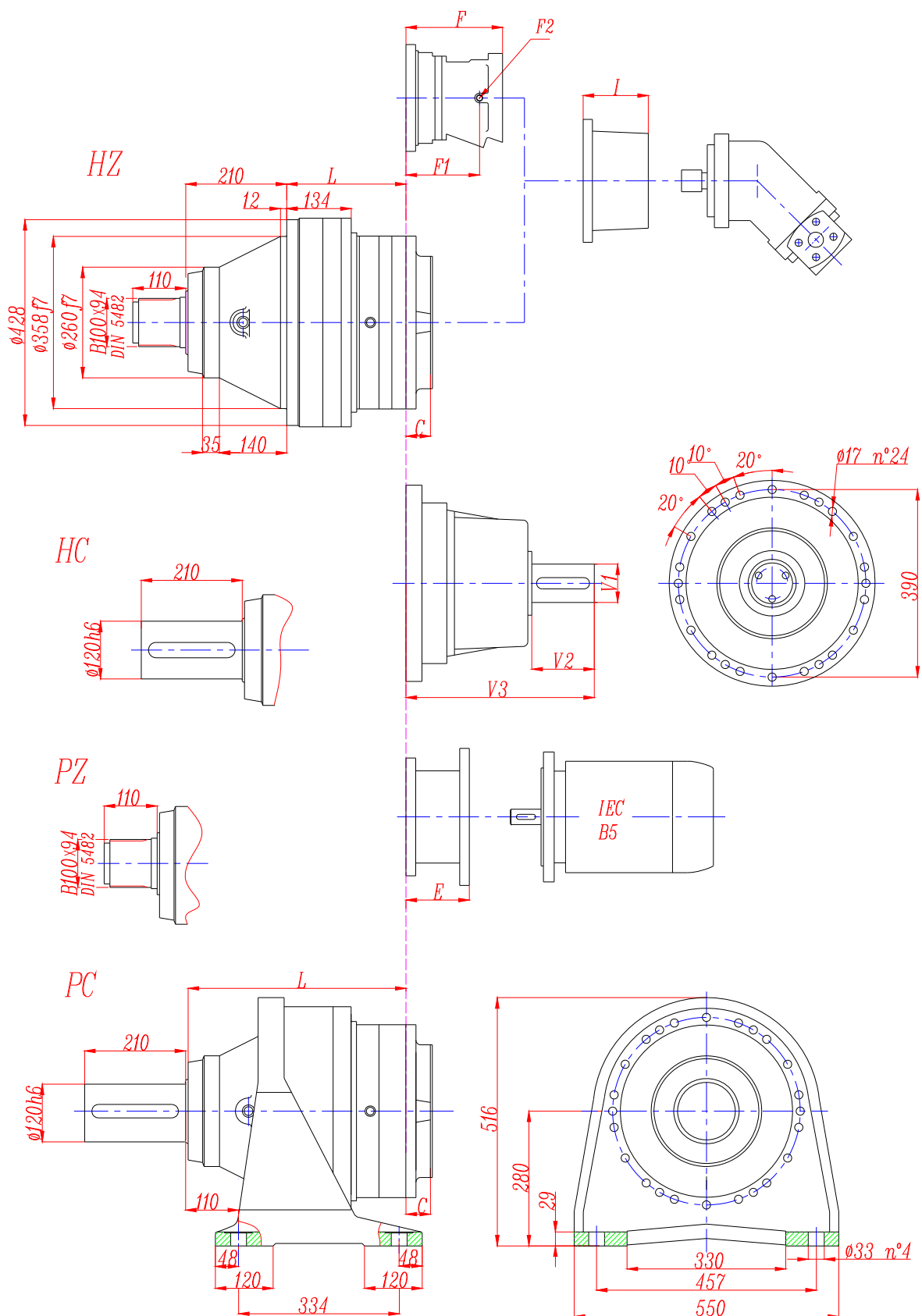
**NB311R**

**M2'=35000N.m**

	I 1:	Mn <sub>2</sub> (N.m)						P <sub>1</sub> (KW)	P <sub>t</sub> (KW) (ta=20°C) (n <sub>1</sub> =1500)	n <sub>1</sub> (min <sup>-1</sup> )	n <sub>1max</sub> (min <sup>-1</sup> )	M <sub>b</sub> (N.m)	Brake type 制动器
		n <sub>2</sub> .h 10000	n <sub>2</sub> .h 25000	n <sub>2</sub> .h 50000	n <sub>2</sub> .h 100000	n <sub>2</sub> .h 500000	n <sub>2</sub> .h 1000000						
R2	12.0	28000	27000	25000	24000	16000	12500	150	75	1 500	2 500	3200	6L
	15.4	35000	33000	31000	30000	18000	15000	150	75	1 500	2 500	3200	6L
	18.2	34000	30000	27000	26000	18000	15000	150	75	1 500	2 500	2600	6K
R3	53.1	34000	29500	27000	27000	18600	15100	60	40	1 750	3 500	800	5G
	68.1	45000	45000	37400	32000	19700	16000	50	40	1 750	3 500	800	5G
	87.5	43000	36500	32300	32000	19700	16000	45	40	1 750	3 500	630	5E
	104	43000	36500	32300	32000	19700	16000	40	40	1 750	3 500	630	5E
	124	43000	36500	32300	32000	19700	16000	35	40	1 750	3 500	500	5C
	147	34000	29500	27000	27000	18600	15100	30	40	1 750	3 500	400	5B
R4	194	45000	45000	37400	32000	19700	16000	32	22	1 750	3 500	330	4H
	217	43000	36500	32300	32000	19700	16000	29	22	1 750	3 500	330	4H
	249	43000	36500	32300	32000	19700	16000	26	22	1 750	3 500	260	4F
	296	43000	36500	32300	32000	19700	16000	23	22	1 750	3 500	260	4F
	353	43000	36500	32300	32000	19700	16000	20.5	22	1 750	3 500	160	4D
	394	43000	36500	32300	32000	19700	16000	18.6	22	1 750	3 500	160	4D
	482	43000	36500	32300	32000	19700	16000	15.5	22	1 750	3 500	160	4D
	572	43000	36500	32300	32000	19700	16000	13.3	22	1 750	3 500	160	4D
	761	34000	29500	27000	27000	18600	15100	9.5	22	1 750	3 500	100	4B

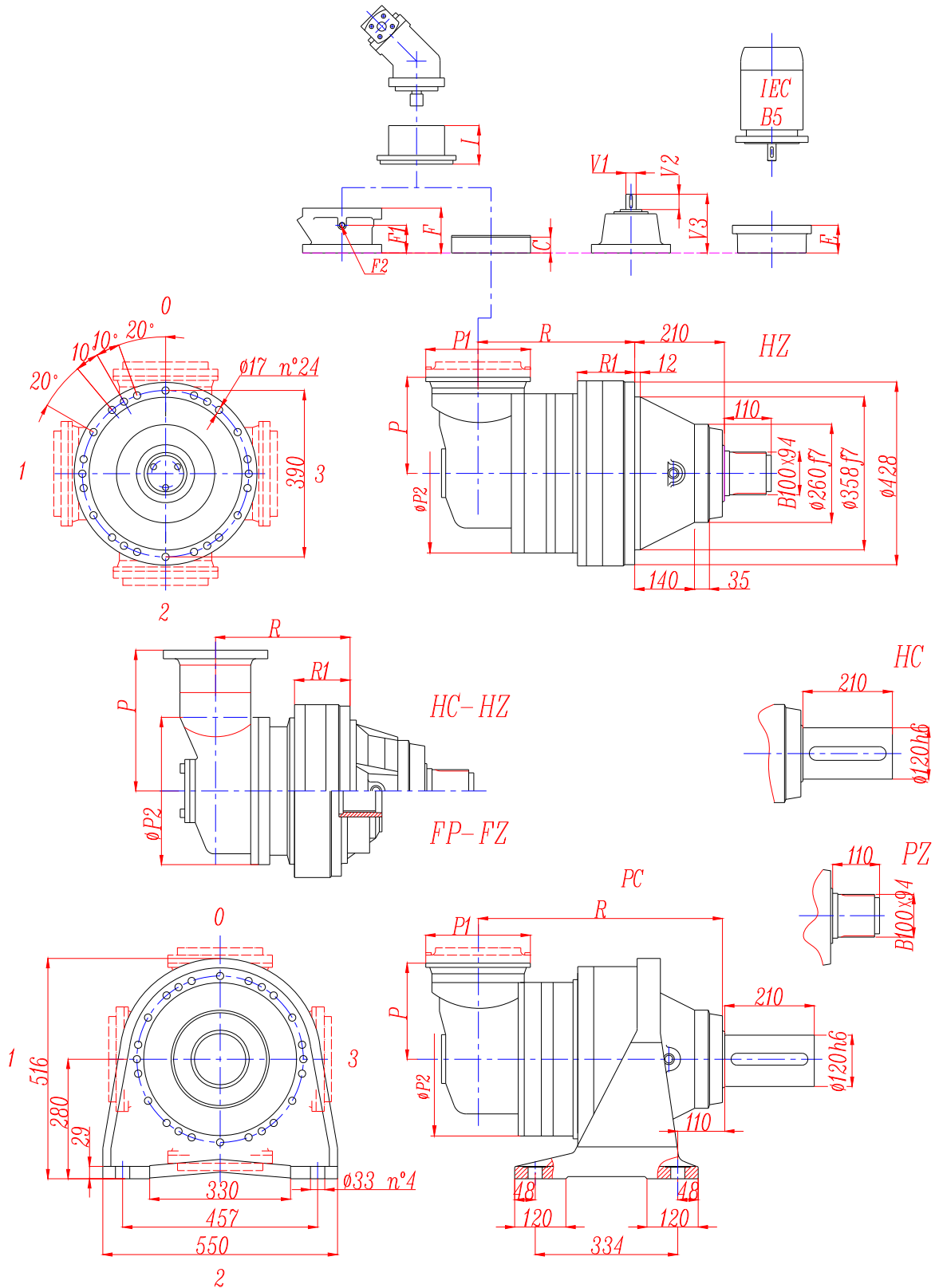
**M<sub>2max</sub>=1.2×Mn<sub>2</sub>(n<sub>2</sub>×h=10 000)**

# NB311 L

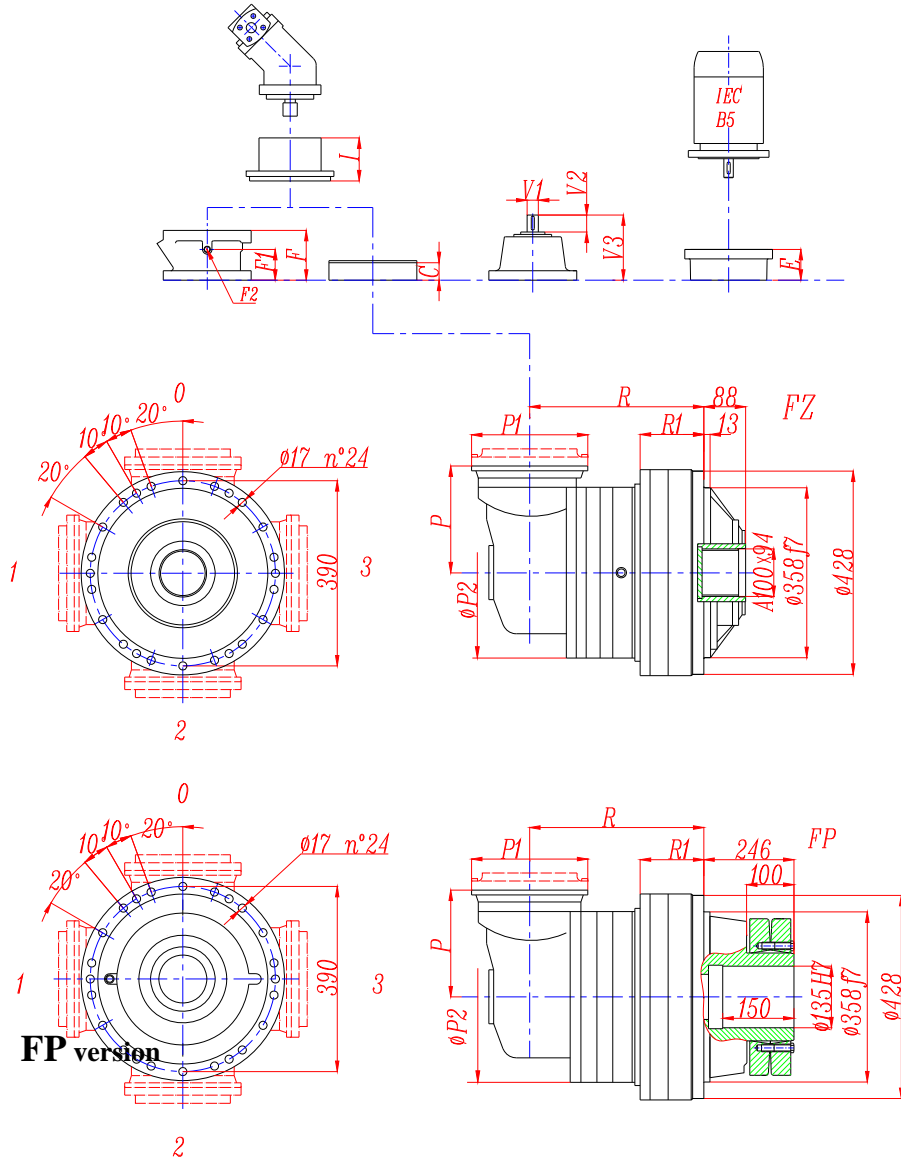




# NB311 R



# NB311 R

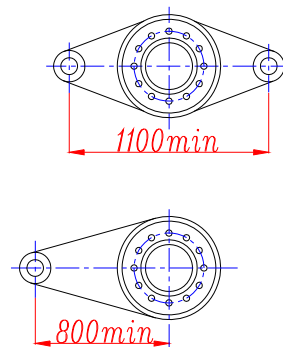
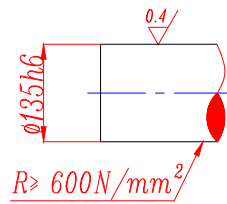
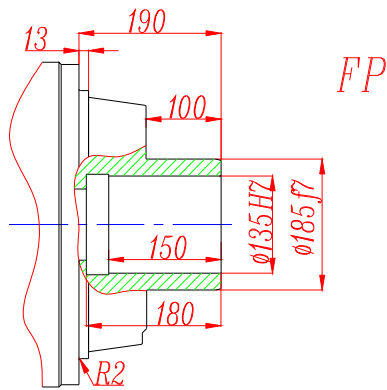
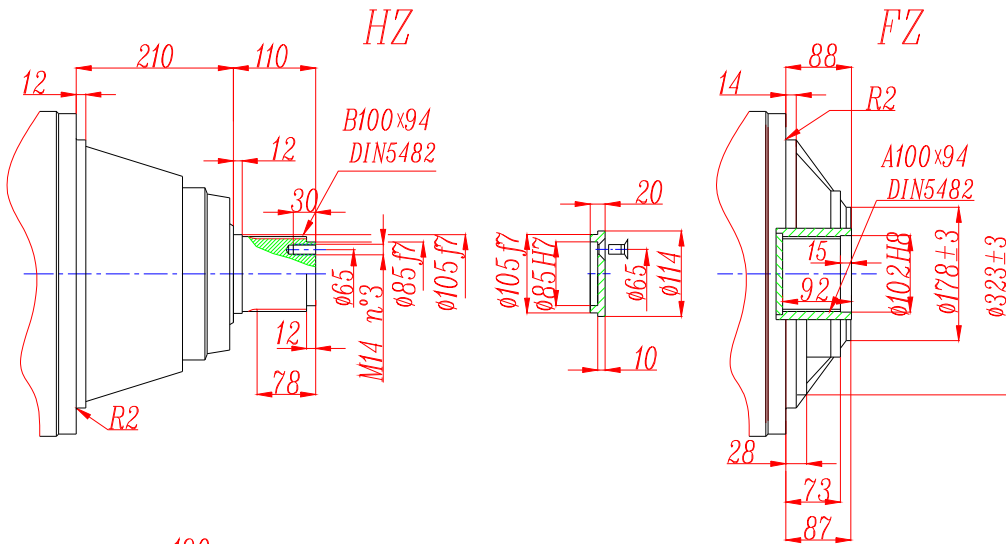
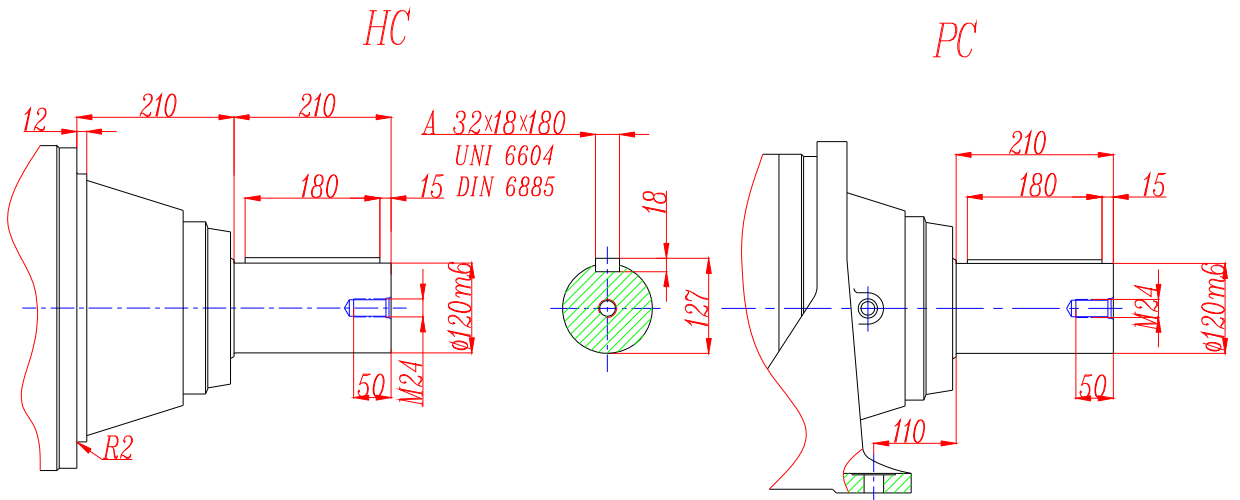


**Max. transmissible  
54000 N.m**

	R				Ref. weight (without input) (Kg)				C	P	I	Brake				
	HZ HC	PC PZ	FZ	FP	HZ HC	PC PZ	FZ	FP				F	F1	F2	Type	Ref. Weight Kg
<b>311 R2</b>	340	550	340	340	320	390	300	310	45	345	According to hydraulic motor	195	147	1/4 G	6	75
<b>311 R3</b>	367	577	367	367	275	345	255	265	37	140		145	95	1/4 G	4	38
<b>311 R4</b>	433	641	433	433	257	331	241	251	37	140		105	65	1/4 G	4	18

	P1	R1				E (IEC motor input)										
		HZ	HC	FZ	FP	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	IEC 132	IEC 160	IEC 180	IEC 200	IEC 225	IEC 250
<b>311 R2</b>	292	134	134	134	134							153	153	163	192	192
<b>311 R3</b>	245	134	134	134	134						120	153	153	153	186	
<b>311 R4</b>	186	134	134	134	134	77	97	97	107	107	120	153	153			

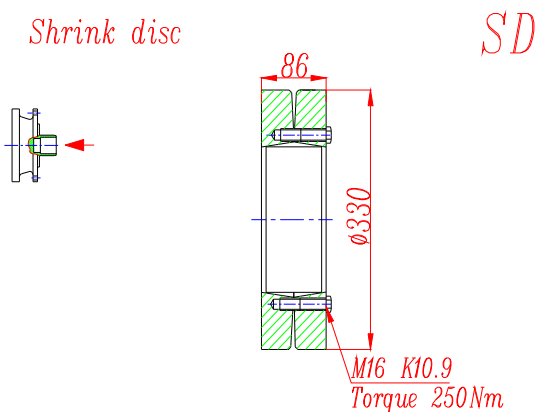
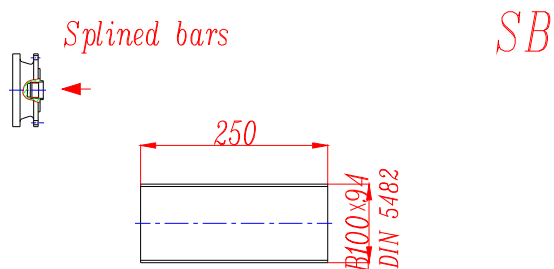
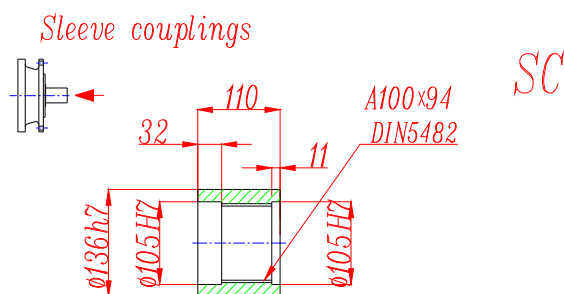
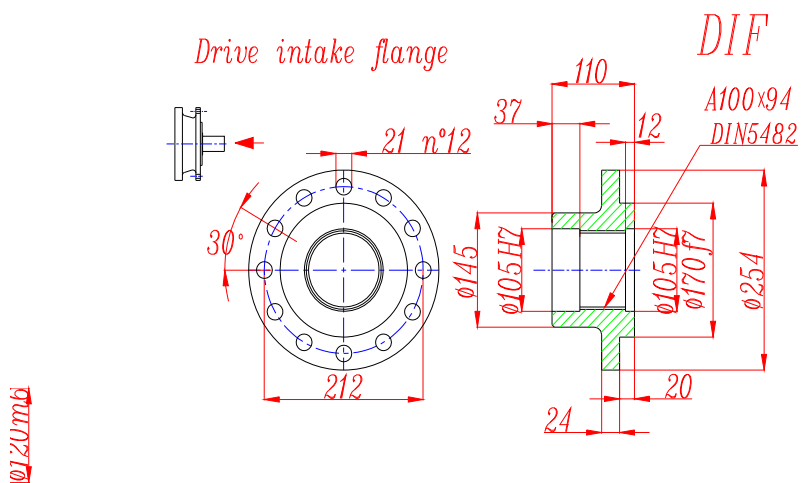
**NB311 L - NB311 R**



**FP version**

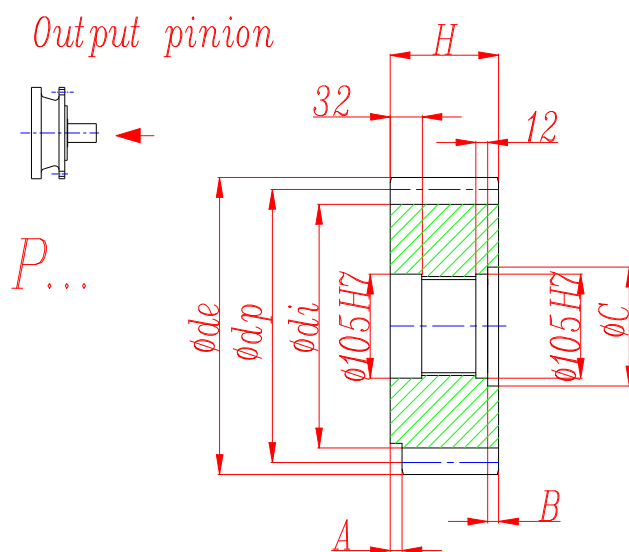
**Max. transmissible  
54000 N.m**

**NB311 L - NB311 R**

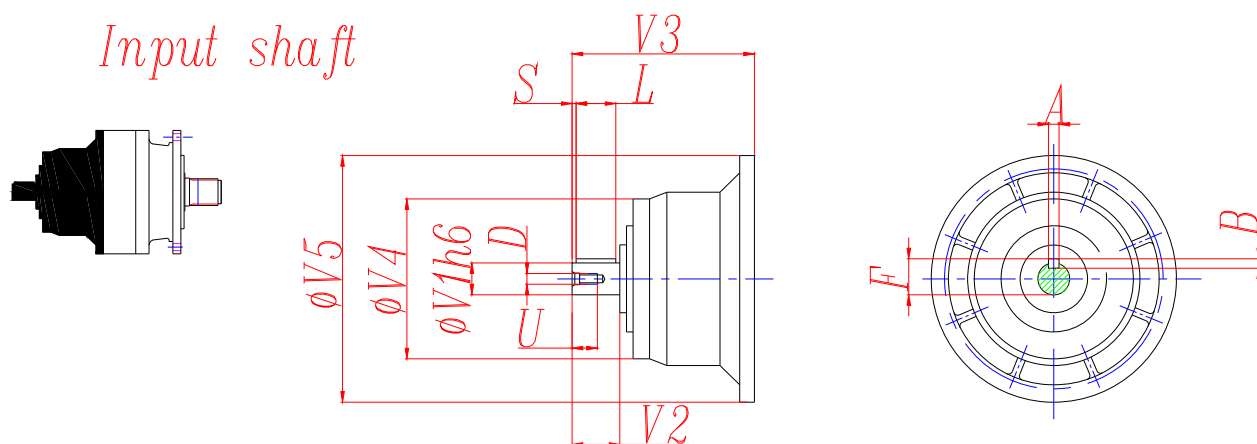




## NB311 L - NB311 R



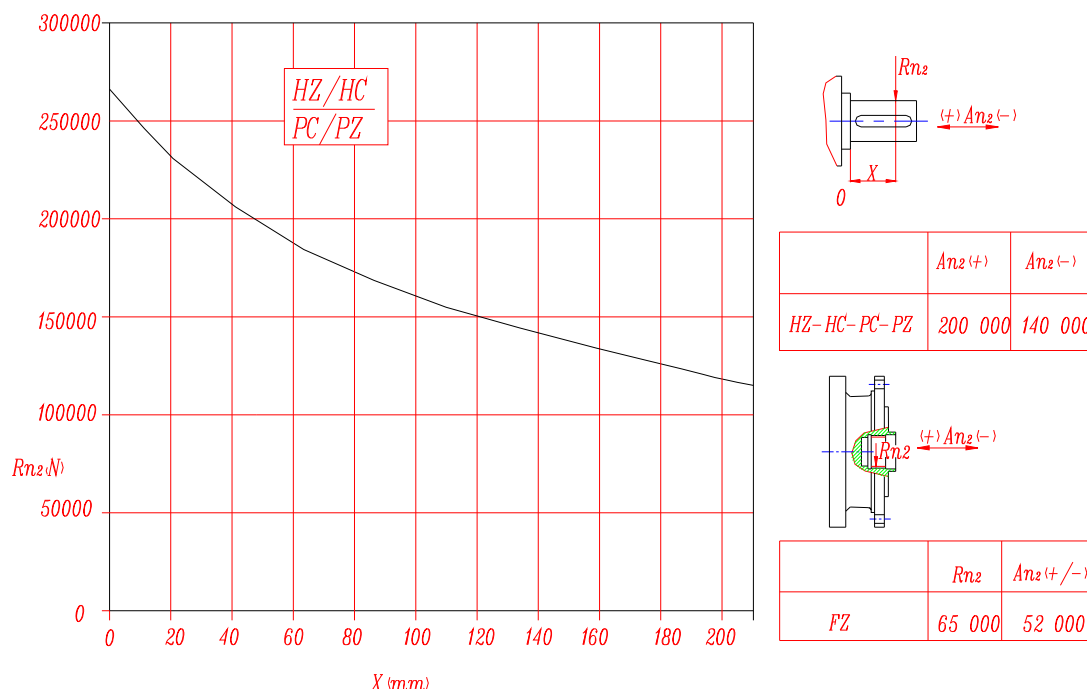
	<b>m</b>	<b>z</b>	<b>x</b>	<b>dp</b>	<b>di</b>	<b>de</b>	<b>H</b>	<b>A</b>	<b>B</b>	<b>C</b>
<b>PLQ</b>	12	23	0	276	246	300	110	0	0	0
<b>PPD</b>	16	13	0.5000	208	184	252.5	145	0	35	116
<b>PPF</b>	16	15	0.450	240	215	280	125	0	15	120



	<b>CODE</b>	<b>V1</b>	<b>V2</b>	<b>V3</b>	<b>V4</b>	<b>V5</b>	<b>A</b>	<b>B</b>	<b>F</b>	<b>L</b>	<b>S</b>	<b>D</b>	<b>U</b>
<b>311 L1</b>	V11B	80	130	348	200	428	22	14	85	110	10	M16	36
<b>311 L2</b>	V07B	80	130	315	200	345	22	14	85	110	105	M16	36
	V07A	60	105	313	155	345	18	11	64	90	7.5	M16	36
<b>311 L3</b>	V05B	48	82	239	155	245	14	9	51.5	70	6	M16	36
<b>311 L4</b>	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28
<b>311 R2</b>	V06B	60	105	307	155	292	18	11	64	90	7.5	M16	36
<b>311 R3-R4</b>	V01A	24	36	136	130	186	8	7	27	30	3	M8	19
	V01B	38	58	158	130	186	10	8	41	50	4	M12	28

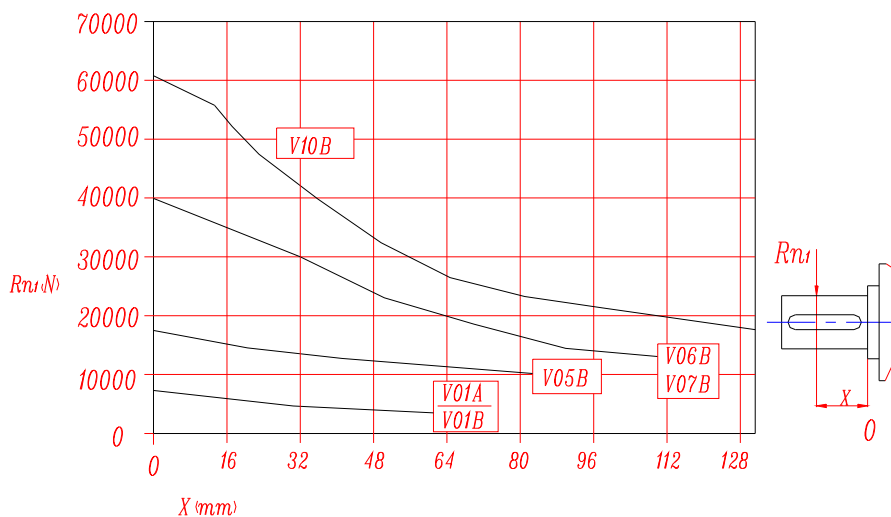
## NB311 L - NB311 R

Permissible radial and axial loads on output shaft with Fh2 ( $n_2 \cdot h=10\ 000$ )



Load corrective factor fh2 on shafts	fh2= $n_2 \cdot h$		10 000	25 000	50 000	100 000	500 000	1 000 000
	fh2	FZ	1	0.74	0.58	0.46	0.27	0.21
		HZ-HC-PC-PZ	1	0.76	0.61	0.50	0.31	0.25

Permissible radial loads on input shaft with Fh1 ( $n_1 \cdot h=250\ 000$ )



Load corrective factor fh1 on shafts	Fh1= $n_1 \cdot h$	250 000	500 000	1 000 000	2 00 000	5 000 000	10 000 000
	fh1	1	0.79	0.63	0.50	0.37	0.29