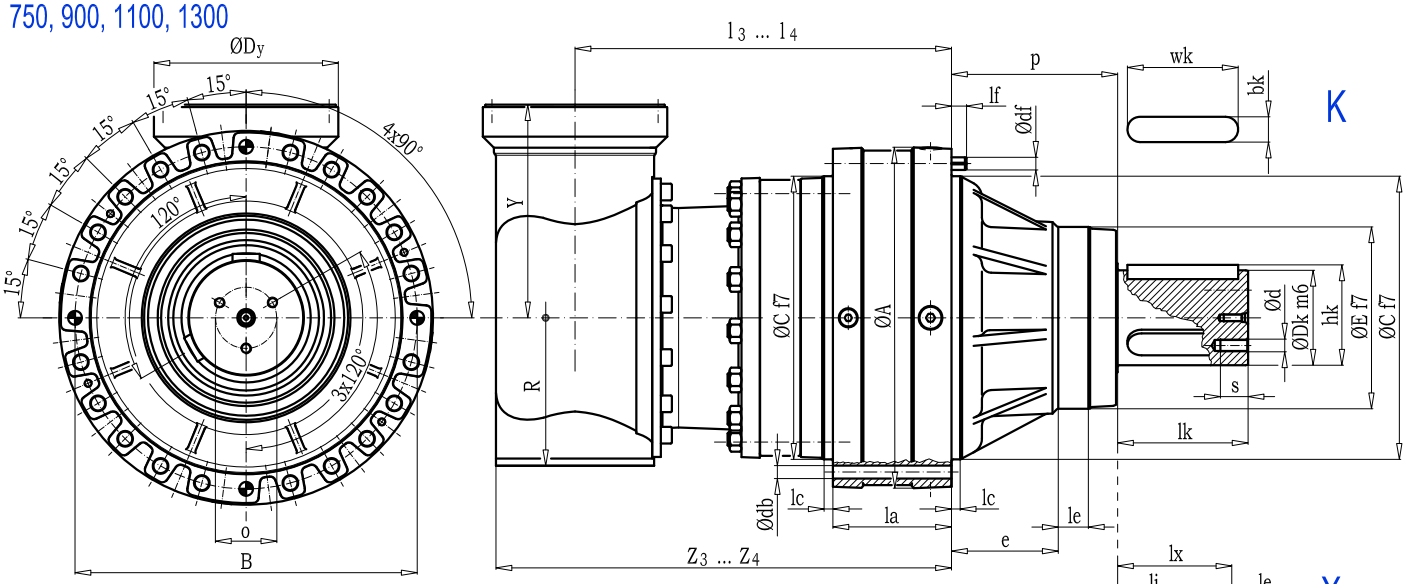
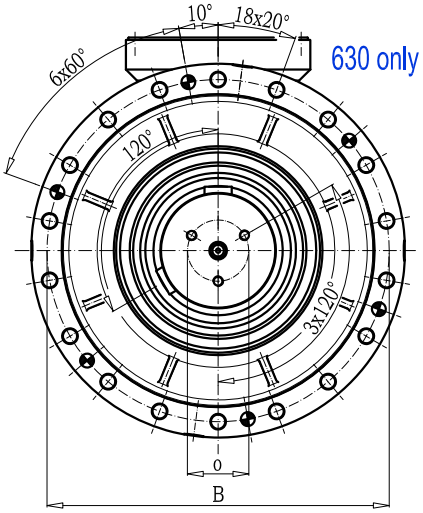
630 - 1300

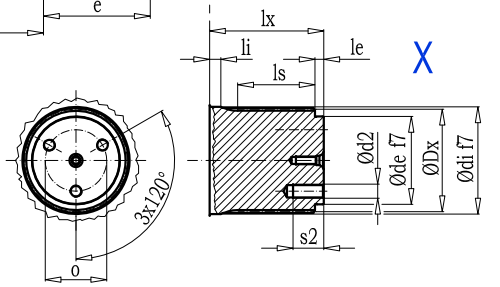
750, 900, 1100, 1300

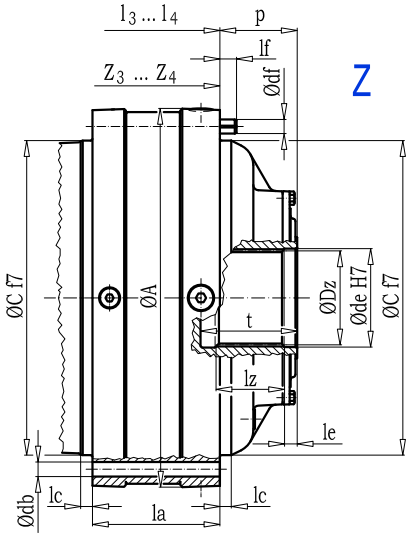


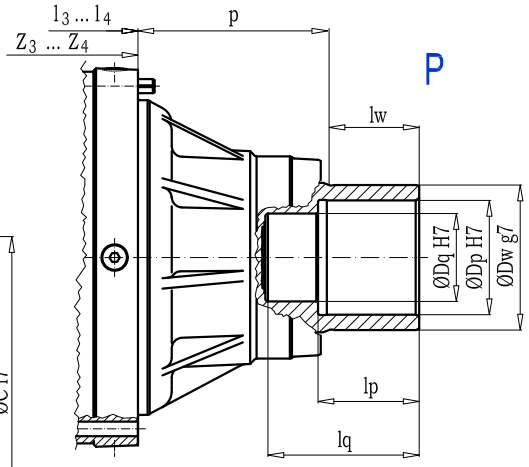


630 only

Dimensions, Gearcase				
Model	version	Dy	R	Y
630	R3	242	187	340
	R4	185	137	226
750	R3	242	187	340
	R4	185	137	226
900	R3	242	187	340
	R4	185	137	226
1100	R3	242	187	340
	R4	185	137	226
1300	R3	242	187	340
	R4	185	137	226







P - shaft version for shrink disc:
For minimum length of torque reaction arm refer to the relevant data table, value "L_{min}"

Data and dimensions are not binding and may be modified without prior notice

Dimensions, solid shafts																	Keyed									DIN Splined								
Model	A	la	B	db	C	lc	E	le	e	df	lf	p	l3	l4	Z3	Z4	Dk	lk	bk	hk	wk	d1	s1	o	code	Dx	lx	ls	di	li	de	le	d2	s2	o	code
630	460	152	415	19	385	13	260	38	152	16	20	227	471	455	574	535	130	170	32	137	160	M16	35	70	K 11	130x3	130	88	132	15	110	10	M16	35	70	X 12
750	550	154	503	21	460	13.5	300	30	224	20	25	279	497	497	600	576	150	200	36	158	180	M16	35	70	K 11	150x5	150	107	151	15	125	12	M16	35	70	X 12
900	550	154	503	21	460	13.5	300	30	224	20	25	279	497	497	600	576	150	200	36	158	180	M16	35	70	K 11	150x5	150	107	151	15	125	12	M16	35	70	X 12
1100	550	184	503	21	460	13.5	300	30	224	20	25	279	552	555	655	634	170	200	40	179	180	M16	35	90	K 13	170x5	170	120	171	15	145	12	M16	35	90	X 14
1300	550	184	503	21	460	13.5	300	30	224	20	25	279	552	555	655	634	170	200	40	179	180	M16	35	90	K 13	170x5	170	120	171	15	145	12	M16	35	90	X 14

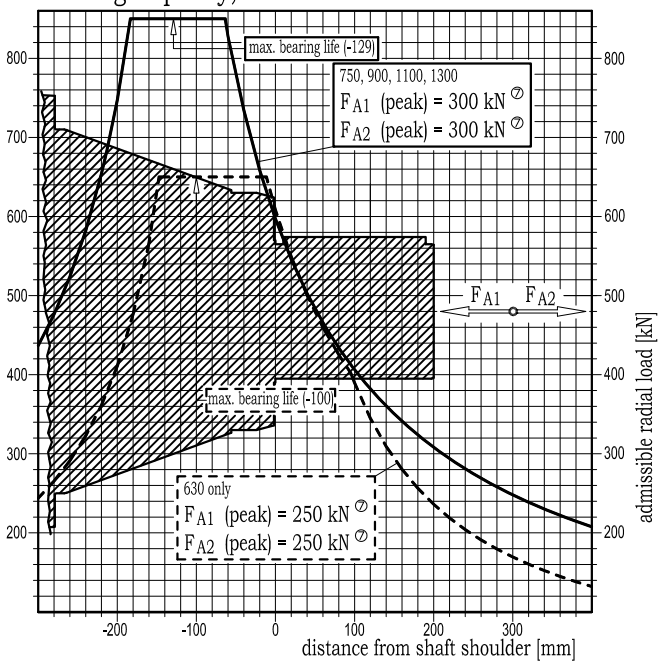
Dimensions, hollow shafts								Hollow for Shrink Disc																	Hollow Splined										
Model	A	B	db	C	lc	df	lf	la	E	le	e	p	l3	l4	Z3	Z4	Dp	lp	Dq	lq	Dw	lw	code	L_{min}	la	p	l3	l4	Z3	Z4	Dz	lz	de	le	t	code
630	460	415	19	385	13	16	20	152	260	38	152	237	471	455	574	535	140	145	110	202	185	125	P 22	900	152	81	471	455	574	535	130x3	70	132	30	110	Z 21
750	550	503	21	460	13.5	20	25	154	300	30	224	287	497	497	600	576	160	160	130	227	200	140	P 22	1100	154	98	497	497	600	576	150x5	90	152	20	120	Z 21
900	550	503	21	460	13.5	20	25	154	300	30	224	287	497	497	600	576	160	160	130	227	200	140	P 22	1100	154	98	497	497	600	576	150x5	90	152	20	120	Z 21
1100	550	503	21	460	13.5	20	25	184	300	30	224	287	552	555	655	634	170	170	130	247	220	150	P 24	1100	184	98	552	555	655	634	160x5	93	162	20	120	Z 23
1300	550	503	21	460	13.5	20	25	184	300	30	224	287	552	555	655	634	170	170	130	247	220	150	P 24	1100	184	98	552	555	655	634	160x5	93	162	20	120	Z 23

DIMENSIONS IN MM UNLESS OTHERWISE SPECIFIED

Model	630		750		900		1100		1300	
Torque Rating①	63000 Nm		75000 Nm		90000 Nm		110000 Nm		130000 Nm	
R3	NOM. RATIO ② (ACT. RATING) 53 (A) 71 (A) 80 (A) 95 (A) 110 (A) 130 (A) 150 (A)		NOM. RATIO ② (ACT. RATING) 40 (B) 100 (A) 45 (A) 110 (B) 53 (B) 120 (A) 60 (B) 140 (A) 63 (A) 160 (B) 75 (A) 180 (B) 80 (B) 90 (A)		NOM. RATIO ② (ACT. RATING) 40 (B) 100 (A) 45 (A) 110 (B) 53 (B) 120 (A) 60 (B) 140 (A) 63 (A) 160 (B) 75 (A) 180 (B) 80 (B) 90 (A)		NOM. RATIO ② (ACT. RATING) 40 (B) 100 (A) 45 (A) 110 (B) 53 (B) 120 (A) 60 (B) 140 (A) 63 (A) 150 (B) 75 (A) 180 (B) 80 (B) 90 (A)		NOM. RATIO ② (ACT. RATING) 53 (B) 140 (A) 60 (B) 150 (B) 63 (A) 180 (B) 75 (A) 80 (B) 90 (A) 95 (B) 120 (A)	
n_1 nom./max.	2250 rpm	3000 rpm	2250 rpm	3000 rpm	2250 rpm	3000 rpm	2250 rpm	3000 rpm	2250 rpm	3000 rpm
P th.③/max.	28 kW	110 kW	37 kW	150 kW	41 kW	160 kW	45 kW	200 kW	50 kW	220 kW
R4	NOM. RATIO ② (ACT. RATING) 170 (A) 1050 (A) 200 (A) 240 (A) 280 (A) 320 (A) 360 (A) 420 (A) 480 (A) 560 (A) 630 (A) 750 (A) 900 (A)		NOM. RATIO ② (ACT. RATING) 150 (B) 630 (A) 180 (A) 710 (A) 200 (B) 750 (B) 240 (A) 850 (A) 280 (A) 950 (A) 320 (A) 1100 (B) 360 (A) 1200 (B) 400 (A) 450 (A) 500 (A) 530 (A) 600 (A)		NOM. RATIO ② (ACT. RATING) 150 (B) 630 (A) 180 (A) 710 (A) 200 (B) 750 (B) 240 (A) 850 (A) 280 (A) 950 (A) 320 (A) 1100 (B) 360 (A) 1200 (B) 400 (A) 450 (A) 500 (A) 530 (A) 600 (A)		NOM. RATIO ② (ACT. RATING) 180 (A) 710 (A) 200 (B) 750 (B) 240 (A) 850 (A) 280 (A) 950 (A) 320 (A) 1100 (B) 360 (A) 1200 (B) 400 (A) 450 (A) 500 (A) 530 (A) 600 (A) 630 (A)		NOM. RATIO ② (ACT. RATING) 180 (A) 710 (A) 200 (B) 750 (B) 240 (A) 850 (A) 280 (A) 950 (A) 320 (A) 1100 (B) 360 (A) 1200 (B) 400 (A) 450 (A) 500 (A) 530 (A) 600 (A) 630 (A)	
n_1 nom./max.	3000 rpm	4000 rpm	3000 rpm	4000 rpm	3000 rpm	4000 rpm	3000 rpm	4000 rpm	3000 rpm	4000 rpm
P th.③/max.	17 kW	37 kW	24 kW	63 kW	26.5 kW	70 kW	30 kW	90 kW	33 kW	100 kW
Actual Torque [Nm]④ Rating	(A) 73000		(A) 89000 (B) 75000		(A) 110000 (B) 92000		(A) 133000 (B) 112000		(A) 160000 (B) 135000	
Peak Torque⑤	100000 Nm		140000 Nm		160000 Nm		190000 Nm		215000 Nm	

Data and dimensions are not binding and may be modified without prior notice

Bearing Capacity, solid shafts⑥⑧



① Harmonized nominal value referring to Preferred Numbers R'40.
Actual transmissible torque may vary depending on ratio, speed, application.

② Harmonized nominal value referring to Preferred Numbers R'40.
For actual ratios see Annex C.

③ Thermal power limit. For actual figures based on speed, temperature and duty see Section B4, Specifications, Paragraph 8.

④ Mean value at rated conditions. For actual figures based on speed, service life and application/duty see Section B4, Specifications, Paragraph 6.

⑤ Restrictions may apply for hollow shaft for shrink disc, see Section G, Output Accessories.
Customer to verify the mating shaft is capable of loads actually transmitted.

⑥ Mean values at rated conditions. For actual admissible loads based on speed, service life and application/duty see Section B4, Specifications, Paragraph 9.

⑦ Max. peak values, which must never be exceeded. Combined thrust and radial shaft loads might reduce bearing life. Please contact Plan-Star Engineering for accurate life calculation of your specific application.

⑧ Combination of high torque and heavy radial shaft load might require verification of the output shaft. If the following condition is not fulfilled, contact Plan-Star Engineering for accurate verification of your specific application:

$$\frac{\text{Radial Load (applied)}}{\text{Radial Load (admissible)}} \times \frac{\text{Torque (applied)}}{\text{Torque (nominal)}} < 0.5$$