

Poulibloc 2000 Shaft Mount Gearbox



Features:

- Keyed Taper Bush Mounting
- External Fitment Backstop
- Oversize Bearings
- Easy Fitting & Removal
- Available Nation Wide

Poulibloc 2000

Maximum Output Power (kW) & Torque (Nm) Ratings

Type	Pb 20	Pb 21	Pb 22	Pb 23	Pb 24	Pb 25	Pb 26	Pb 27
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*Maximum Mechanical Rated Output Torque (Nm)

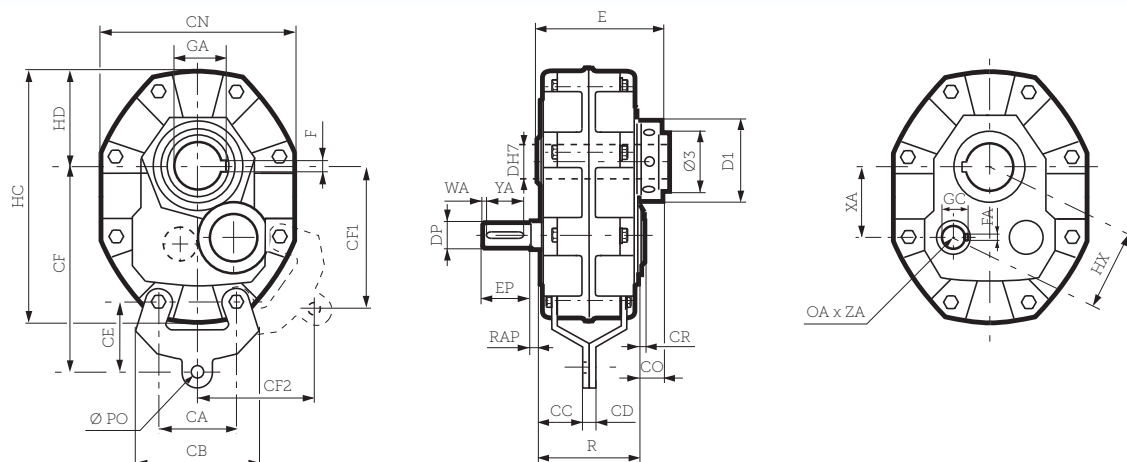
Torque (max)	630 Nm	910 Nm	1410 Nm	2830 Nm	3200 Nm	5580 Nm	8530 Nm	15860 Nm
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Gearboxes with a Reduction Ratio of 25:1 , 20:1 , 15:1 and 12:1

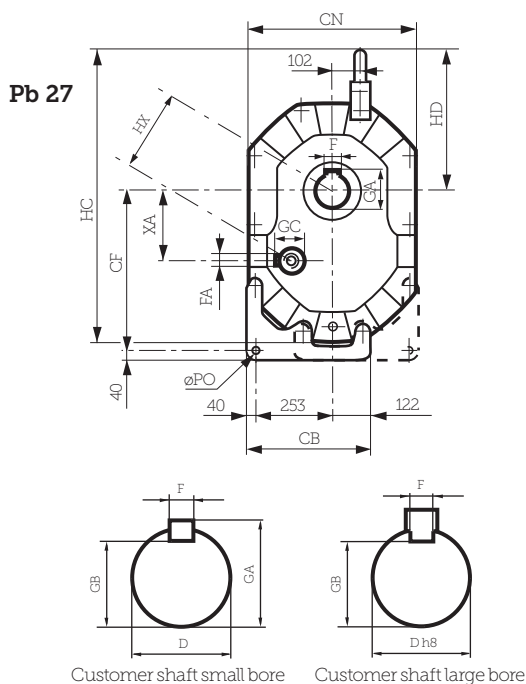
RPM	kW	Nm	kW	Nm	kW	Nm	kW	Nm	kW	Nm	kW	Nm	kW	Nm
10.0	0.65	620.8	0.95	907.3	1.48	1410	2.96	2827	3.35	3200	5.84	5580	8.93	8528
11.2	0.72	613.9	1.06	903.8	1.63	1390	3.30	2814	3.75	3198	6.53	5568	9.98	8510
12.5	0.81	618.8	1.18	901.5	1.75	1337	3.68	2812	4.17	3186	7.13	5447	11.12	8496
14.0	0.90	613.9	1.32	900.4	1.90	1296	4.11	2804	4.67	3186	7.69	5246	12.42	8472
16.0	1.03	614.8	1.51	901.3	2.08	1242	4.69	2799	5.32	3175	8.50	5073	14.15	8446
18.0	1.14	604.8	1.69	896.6	2.27	1204	5.10	2706	5.97	3167	9.18	4871	15.88	8425
20.0	1.21	577.8	1.88	897.7	2.43	1160	6.48	3094	6.52	3113	9.91	4732	17.50	8356
22.5	1.33	564.5	2.10	891.3	2.65	1125	6.95	2950	7.43	3154	10.76	4567	19.74	8379
25.0	1.41	538.6	2.33	890.1	2.85	1089	5.40	2063	8.05	3075	11.57	4420	21.30	8137
28.0	1.53	521.8	2.53	862.9	3.08	1051	5.95	2029	8.72	2974	12.50	4263	23.05	7862
31.5	1.55	469.9	2.75	833.7	3.34	1013	7.54	2286	9.49	2877	13.57	4114	25.09	7607
35.5	1.78	478.8	2.99	804.4	3.63	976.5	8.19	2203	10.30	2771	14.77	3973	27.18	7312
40.0	1.93	460.8	3.25	775.9	3.97	947.8	8.94	2134	11.23	2681	16.05	3832	29.69	7088
45.0	2.09	443.5	3.53	749.1	4.30	912.6	9.69	2056	12.15	2579	17.48	3710	32.13	6819
50.0	2.25	429.8	3.80	725.8	4.63	884.3	10.45	1996	13.09	2500	18.80	3591	34.57	6603
56.0	2.42	412.7	4.11	700.9	5.02	856.1	11.29	1925	14.19	2420	20.38	3476	37.50	6395
63.0	2.62	397.2	4.47	677.6	5.45	826.2	12.28	1861	15.35	2327	22.10	3350	40.66	6164
71.0	2.84	382	4.85	652.4	5.92	796.3	13.33	1793	16.72	2249	24.07	3238	44.22	5948
80.0	3.08	367.7	5.27	629.1	6.42	766.4	14.50	1731	18.21	2174	26.17	3124	48.05	5736
90.0	3.32	352.3	5.74	609.1	6.96	738.5	15.72	1668	19.78	2099	28.42	3016	52.25	5544
100.0	3.56	340	6.18	590.2	7.52	718.2	16.94	1618	21.29	2033	30.57	2919	56.26	5372
112.0	3.84	327.4	6.68	569.6	8.14	694.1	18.34	1564	23.02	1963	33.05	2818	60.87	5190
125.0	4.26	325.5	7.23	552.4	8.79	671.6	19.80	1513	24.86	1899	35.70	2727	65.69	5019
140.0	4.80	327.4	7.86	536.2	9.55	651.4	21.45	1463	26.98	1840	38.77	2645	71.21	4858

*Check thermal ratings

Dimensions (mm)

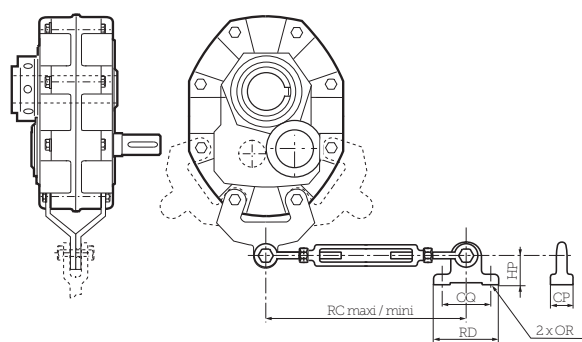


Type	Overall Dimensions														Output shaft & Locking collar					Input shaft										kg
	CA	CB	CC	CD	CE	CF	CF1	CF2	CN	CO	CR	HC	HD	HX	PO	R	XA	Ø3	D1	E	DP	EP	FA	GC	OA	ZA	RAP	WA	YA	
Pb 27--	-	416	121,3	38	-	521,5	-	-	550	80	13	890	405	273	32	231	253	M175x3	215	312,5	65	130	18	69	M20	40	0	-	0	295
Pb 2612 to 2625	179	277	122	20	130	440	307	247	410	58	23	522	191	192	17	238	172,2	M135x3	165	300,5	55	120	16	59	M16	36	0	5	105	158
Pb 2605	179	277	122	20	130	440	307	247	410	58	23	522	191	192	17	238	172,2	M135x3	165	300,5	48	120	14	51,5	M16	36	0	5	105	158
Pb 2512 to 2525	156	234	109	16	110	377	264	212	357	44	13	452	165	164	17	210	147,7	M108x3	135	259	50	110	14	53,5	M16	36	0	5	100	106
Pb 2505	156	234	109	16	110	377	264	212	357	44	13	452	165	164	17	210	147,7	M108x3	135	259	38	80	10	41	M12	26	0	5	100	106
Pb 24--	136	213	75	10	100	332	233	191	316	36	13	395	146	145	16	170	131,8	M97x3	121	207	50	110	14	53,5	M16	36	0	5	100	68
Pb 23--	123	190	67	10	80	290	204	156	284	36	13	361	133	126	16	147	112	M80x2	106	184	35	80	10	38	M12	26	0	3	72	52
Pb 22--	108	172	61	10	75	260	177	139	252	36	13	320	118	107	16	131	95,8	M68x2	96	171	32	80	10	35	M10	22	0	4	72	32
Pb 21--	90,5	162	55	10	72	227	157	130	214	36	13	269	100	92	16	120	84,3	M64x2	86	158	28	60	8	31	M10	22	0	6	48	24
Pb 20	82,5	140	48	10	68	210	140	112	198	36	13	245	90	85	16	109	76,6	M52x2	75	138	24	60	8	27,5	M8	19	0	6	48	19



D ^{H7}	Standard bores				Conical bushes											
	F	GB	GA		20	21	22	23	24	25	26	27				
20	6	16,5	22,5		Ø											
25	8	21	28		Ø	Ø										
30	8	26	33		Ø	Ø	Ø									
35	10	30	38		ØØ	Ø	Ø	Ø								
40	12	35	43		ØØ	Ø	Ø	Ø								
45	14	39,5	48,5			ØØ	Ø	Ø	Ø							
50	14	44,5	53,5			ØØ	ØØ	Ø	Ø							
55	16	49	59				ØØ	ØØ	Ø							
60	18	53	64					ØØ	Ø	Ø						
65	18	58	69						Ø	Ø						
70	20	62,5	74,5						ØØ	Ø	Ø					
75	20	67,5	79,5						ØØ	Ø	Ø					
80	22	71	85							ØØ	Ø					
85	22	76	90								ØØ	Ø				
90	25	81	95									Ø				
95	25	86	100									ØØ				
100	28	90	106										ØØ	Ø		
110	28	100	116											Ø		
120	32	109	127												Ø	
Minimum length of customer's shaft					80	82	105	116	134	153	194	260				

Ø : Small bore, as per GA shown
 ØØ : Large bore, Key supplied - not shown
 For fitting of the bush, refer to commissioning instructions (installation manual).



Type	Torque Arm						
	CP	CQ	HP	OR	RCmaxi	RCmini	RD
Pb 27--	80	210	80	32	840	670	280
Pb 26--	50	105	45	17	540	440	144
Pb 25--	50	105	45	17	540	440	144
Pb 24--	53	95	38	15	450	365	150
Pb 23--	53	95	38	15	450	365	150
Pb 22--	53	95	38	15	450	365	150
Pb 21--	53	95	38	15	450	365	150
Pb 20--	53	95	38	15	450	365	150

Torque Arm must be located to the centre of the bracket.
 3 positions possible (Pb27 : 2 positions).

Poulibloc 2000 Shaft Mount Gearbox



Available in 8 sizes
4 standard reduction ratios
5:1 , 12:1 , 20:1 , 25:1

Unique taper bushing design for easy and versatile mounting on driven shaft.

A wide range of bushing bore sizes is available for each type of reducer.

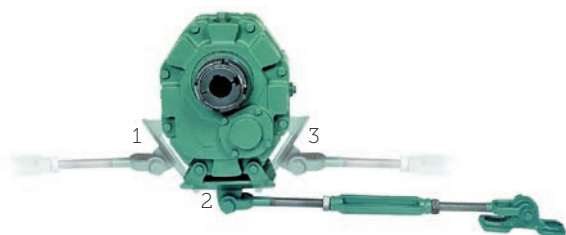


Easily installed back-stop

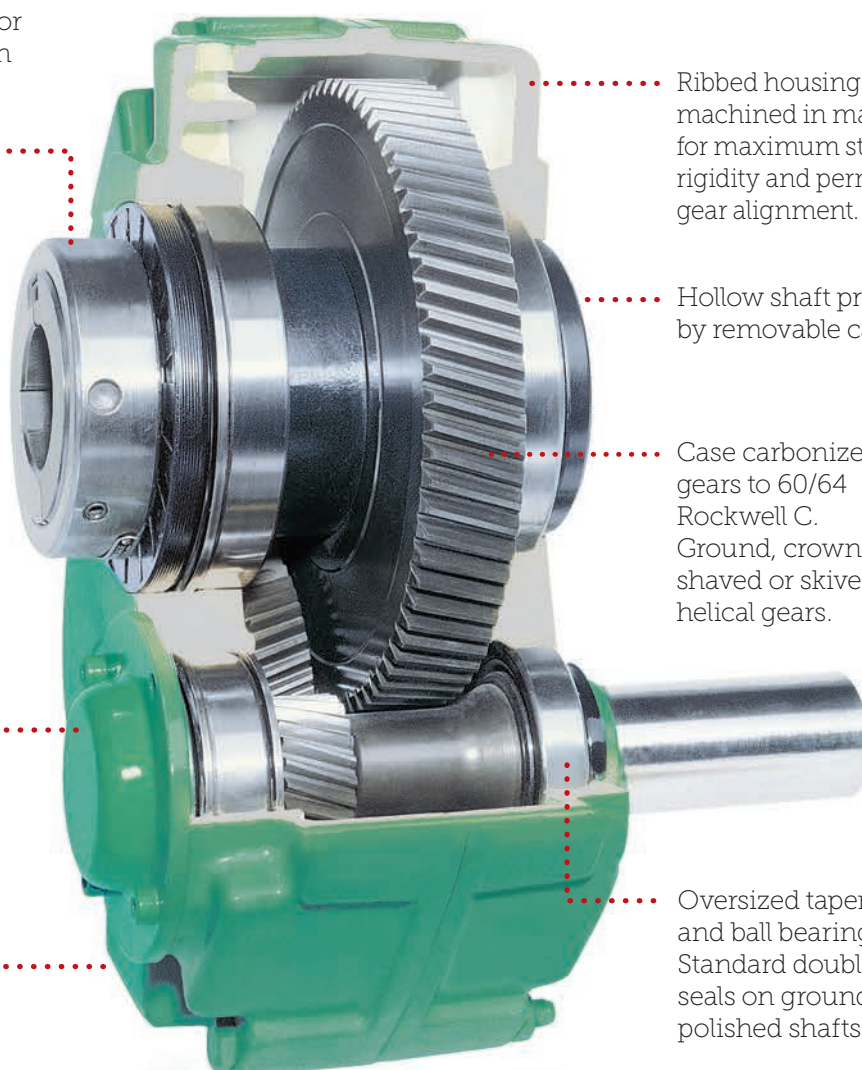


Magnetic plug as standard

Torque arm brackets can be mounted in three positions.



Torque arm with tensioner and bushing spanner wrench are supplied as standard.



Ribbed housing is precision machined in matched pairs for maximum strength, rigidity and permanent gear alignment.

Hollow shaft protected by removable cap.

Case carbonized gears to 60/64 Rockwell C. Ground, crown shaved or skived helical gears.

Oversized taper roller and ball bearings. Standard double lip seals on ground and polished shafts.

Also available:

Electric Motors



Pulleys and V Belts

