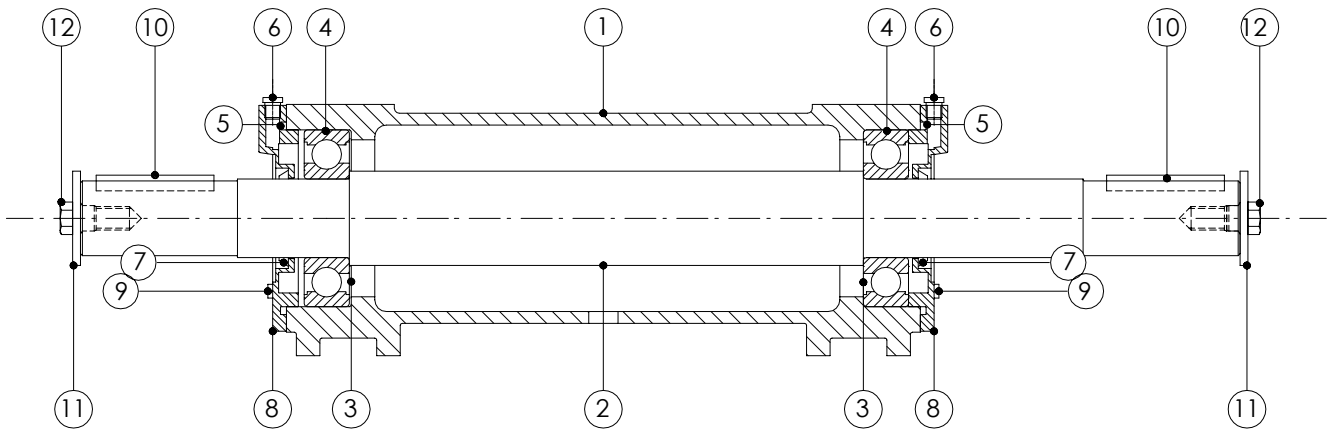
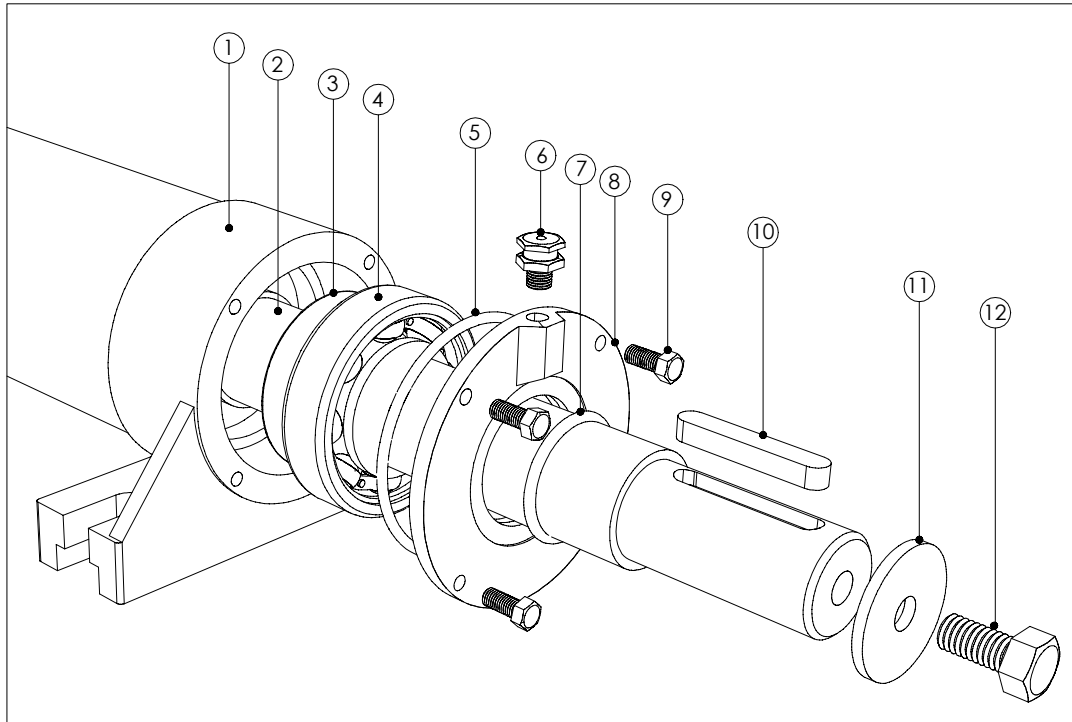
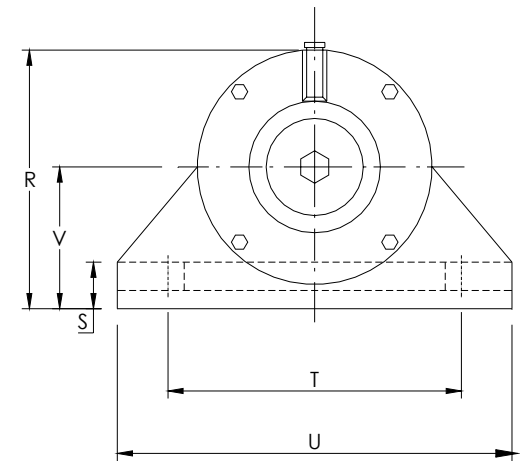
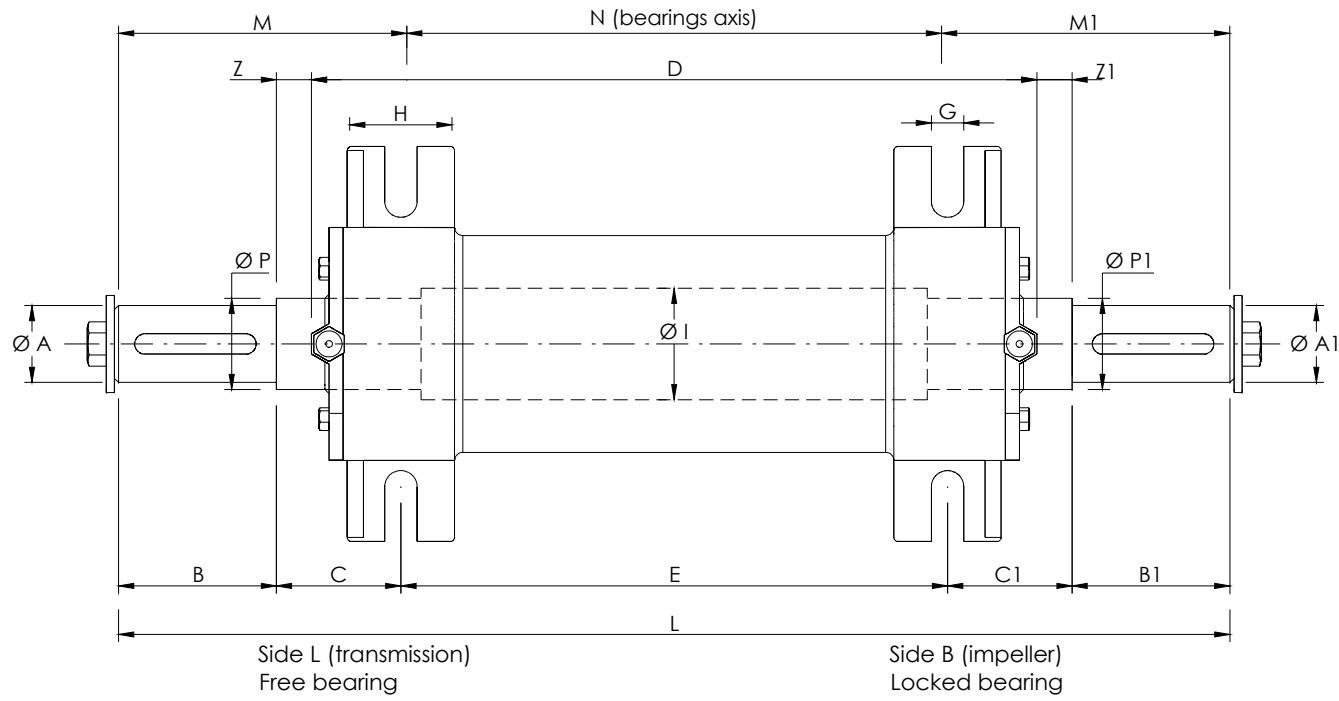


Grease lubricated monobloc



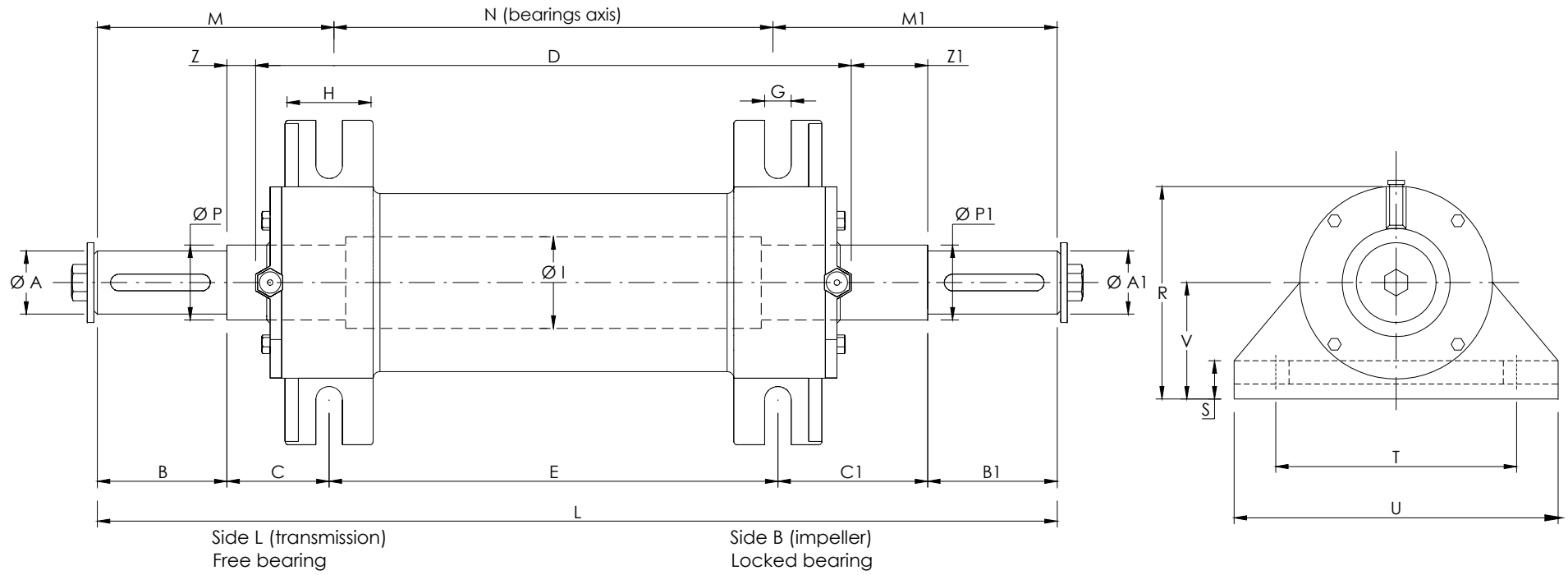
Details:

- | | | | |
|----|------------------------------|-----|-------------------|
| 1. | Housing – grey cast iron G20 | 7. | V-ring |
| 2. | Shaft - steel C45 | 8. | Cover - aluminium |
| 3. | Flinger ring | 9. | Screw (cover) |
| 4. | Bearing 63.. series | 10. | Key |
| 5. | O-ring | 11. | End plate |
| 6. | Grease nipple | 12. | Screw (end plate) |



monobloc OMB N

TYPE	ϕA $\phi A1$	B B1	C	C1	D	E	G	H	ϕI	L	M	M1	N	ϕP $\phi P1$	R	S	T	U	V	Z	Z1	Bearing	Screw	End plate	Key	Weight kg
20	19 _{j6}	40	47,5	47,5	228	140	13	40	30	315	71,5	71,5	172	20	90	18	140	180	50	3,5	3,5	6304	M8	8,5x36x4	6x6x30	7
25	24 _{j6}	50	50	50	281	200	15	50	35	400	88,5	88,5	223	25	105	20	135	180	60	9,5	9,5	6305	M8	8,5x36x4	8x7x35	9
30	28 _{j6}	60	50	50	281	200	15	50	40	420	99,5	99,5	221	30	110	20	135	180	60	9,5	9,5	6306	M8	8,5x36x4	8x7x45	10
35	32 _{k6}	60	56	56	352	265	15	50	45	497	103,5	103,5	290	35	124	20	145	195	70	12,5	12,5	6307	M12	12,5x48x4	10x8x45	14
40	38 _{k6}	80	56	56	351	265	15	50	50	537	125	125	287	40	128	20	145	195	70	13	13	6308	M12	12,5x48x4	10x8x60	17
45	42 _{k6}	110	60	60	434	340	15	60	55	680	156	156	368	45	150	20	150	200	80	13	13	6309	M16	16,5x63x5	12x8x90	24
50	48 _{k6}	110	60	60	435	340	15	60	60	680	156,5	156,5	367	50	150	20	150	200	80	12,5	12,5	6310	M16	16,5x63x5	14x9x90	26
55	48 _{k6}	110	86	86	571	448	18	80	65	840	169,5	169,5	501	55	165	24	180	230	90	24,5	24,5	6311	M16	16,5x85x6	14x9x90	40
60	55 _{m6}	110	86	86	570	448	18	80	70	840	171	171	498	60	175	24	180	230	90	25	25	6312	M16	16,5x85x6	16x10x90	48
65	60 _{m6}	140	75	75	574	448	20	90	75	878	191	191	496	65	184	24	190	250	100	12	12	6313	M16	16,5x85x6	18x11x120	55
70	65 _{m6}	140	75	75	574	448	20	90	80	878	192	192	494	70	190	24	190	250	100	12	12	6314	M16	16,5x85x6	18x11x120	59
75	70 _{m6}	150	85	85	594	460	22	100	85	930	209	209	512	75	202	28	280	355	100	18	18	6315	M20	20,5x100x8	20x12x130	84
80	75 _{m6}	150	85	85	598	460	22	100	90	930	210	210	510	80	202	28	280	355	100	16	16	6316	M20	20,5x100x8	20x12x130	89
85	80 _{m6}	170	90	90	741	580	22	120	95	1100	224,5	224,5	651	85	270	34	280	360	145	9,5	9,5	6317	M20	20,5x100x8	22x14x150	161
90	85 _{m6}	170	90	90	741	580	22	120	100	1100	225,5	225,5	649	90	270	34	280	360	145	9,5	9,5	6318	M20	20,5x100x8	22x14x150	167
95	90 _{m6}	170	90	90	741	580	22	120	105	1100	226,5	226,5	647	95	270	34	280	360	145	9,5	9,5	6319	M20	20,5x110x8	25x14x150	175
100	95 _{m6}	170	90	90	741	580	22	120	110	1100	227,5	227,5	645	100	270	34	280	360	145	9,5	9,5	6320	M20	20,5x110x8	25x14x150	184



monobloc OMB CV

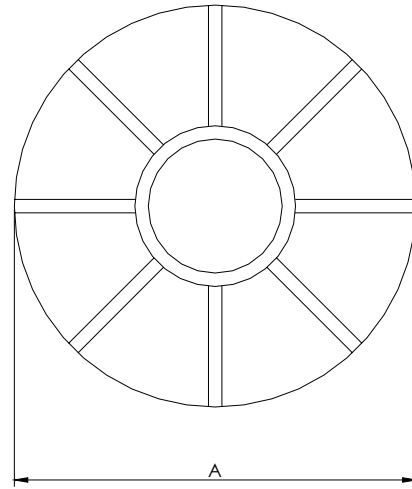
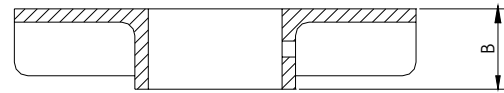
TYPE	ϕA $\phi A1$	B B1	C	C1	D	E	G	H	ϕI	L	M	M1	N	ϕP $\phi P1$	R	S	T	U	V	Z	Z1	Bearing	Screw	End plate	Key	Weight kg
20	19 _{j6}	40	47,5	79,5	228	140	13	40	30	347	71,5	103,5	172	20	90	18	140	180	50	3,5	35,5	6304	M8	8,5x36x4	6x6x30	7
25	24 _{j6}	50	50	80	281	200	15	50	35	430	88,5	118,5	223	25	105	20	135	180	60	9,5	39,5	6305	M8	8,5x36x4	8x7x35	9
30	28 _{j6}	60	50	90	281	200	15	50	40	460	99,5	139,5	221	30	110	20	135	180	60	9,5	49,5	6306	M8	8,5x36x4	8x7x45	10
35	32 _{k6}	60	56	100	352	265	15	50	45	541	103,5	147,5	290	35	124	20	145	195	70	12,5	56,5	6307	M12	12,5x48x4	10x8x45	14,5
40	38 _{k6}	80	56	110	351	265	15	50	50	591	125	179	287	40	128	20	145	195	70	13	67	6308	M12	12,5x48x4	10x8x60	17,5
45	42 _{k6}	110	60	110	434	340	15	60	55	730	156	206	368	45	150	20	150	200	80	13	63	6309	M16	16,5x63x5	12x8x90	24,5
50	48 _{k6}	110	60	110	435	340	15	60	60	730	156,5	206,5	367	50	150	20	150	200	80	12,5	62,5	6310	M16	16,5x63x5	14x9x90	28
55	48 _{k6}	110	86	140	571	448	18	80	65	894	169,5	223,5	501	55	165	24	180	230	90	24,5	78,5	6311	M16	16,5x85x6	14x9x90	42
60	55 _{m6}	110	86	140	570	448	18	80	70	894	171	225	498	60	175	24	180	230	90	25	79	6312	M16	16,5x85x6	16x10x90	50
65	60 _{m6}	140	86	140	574	448	20	90	75	954	202	256	496	65	184	24	190	250	100	23	77	6313	M16	16,5x85x6	18x11x120	55
70	65 _{m6}	140	86	140	574	448	20	90	80	954	203	257	494	70	190	24	190	250	100	23	77	6314	M16	16,5x85x6	18x11x120	59

monobloc OMB L

TYPE	ϕA $\phi A1$	B B1	C	C1	D	E	G	H	ϕI	L	M	M1	N	ϕP $\phi P1$	R	S	T	U	V	Z	Z1	Bearing	Screw	End plate	Key	Weight kg
30	28 _{j6}	60	50	50	471	390	15	50	40	610	99,5	99,5	411	30	100	10	125	180	50	9,5	9,5	6306	M8	8,5x36x4	8x7x45	15
35	32 _{k6}	80	50	70	537	450	15	50	45	730	117,5	137,5	475	35	120	15	145	195	65	6,5	26,5	6307	M12	12,5x48x4	10x8x45	20
40	38 _{k6}	80	50	70	537	450	15	50	50	730	118,5	138,5	473	40	123	15	145	195	65	6,5	26,5	6308	M12	12,5x48x4	10x8x60	24
45	42 _{k6}	110	60	80	495	400	15	60	45	760	155,5	175,5	429	45	145	15	155	200	75	12,5	32,5	6309	M16	16,5x63x5	12x8x90	30
50	48 _{k6}	110	60	80	494	400	15	60	60	760	157	177	426	50	145	15	155	200	75	13	33	6310	M16	16,5x63x5	14x9x90	33
55	48 _{k6}	110	80	100	571	450	18	80	65	850	164,5	184,5	501	55	165	24	180	230	90	19,5	39,5	6311	M16	16,5x85x6	14x9x90	40
60	55 _{m6}	110	105	125	570	450	18	80	70	900	191	211	498	60	175	24	180	230	90	45	65	6312	M16	16,5x85x6	16x10x90	48
65	60 _{m6}	140	110	130	676	550	20	90	75	1070	226	246	598	65	190	29	220	290	105	47	67	6313	M16	16,5x85x6	18x11x120	65
70	65 _{m6}	140	120	150	676	550	20	90	80	1100	237	267	596	70	195	29	220	290	105	57	87	6314	M16	16,5x85x6	18x11x120	70
75	70 _{m6}	140	135	160	797	650	22	100	85	1225	242,5	267,5	715	75	230	28	280	385	115	61,5	86,5	6315	M20	20,5x100x8	20x12x130	100
80	75 _{m6}	140	135	160	801	650	22	100	90	1225	243,5	268,5	713	80	230	28	280	385	115	59,5	84,5	6316	M20	20,5x100x8	20x12x130	115
85	80 _{m6}	170	145	165	801	650	22	100	95	1300	284,5	304,5	711	85	245	38	280	385	130	69,5	89,5	6317	M20	20,5x100x8	22x14x150	180
90	85 _{m6}	170	145	165	801	650	22	100	100	1300	285,5	305,5	709	90	245	38	280	385	130	69,5	89,5	6318	M20	20,5x100x8	22x14x150	195

Cooling fan

	Type	A	B
OMB 20	1	70	20
OMB 20	2	90	22
OMB 25 - 30	3	110	26
OMB 35 - 40	4	130	27
OMB 45 - 50	5	150	30
OMB 55 - 60	6	170	30
OMB 65 - 80	7	190	30
OMB 85	8	215	32

**Special applications**

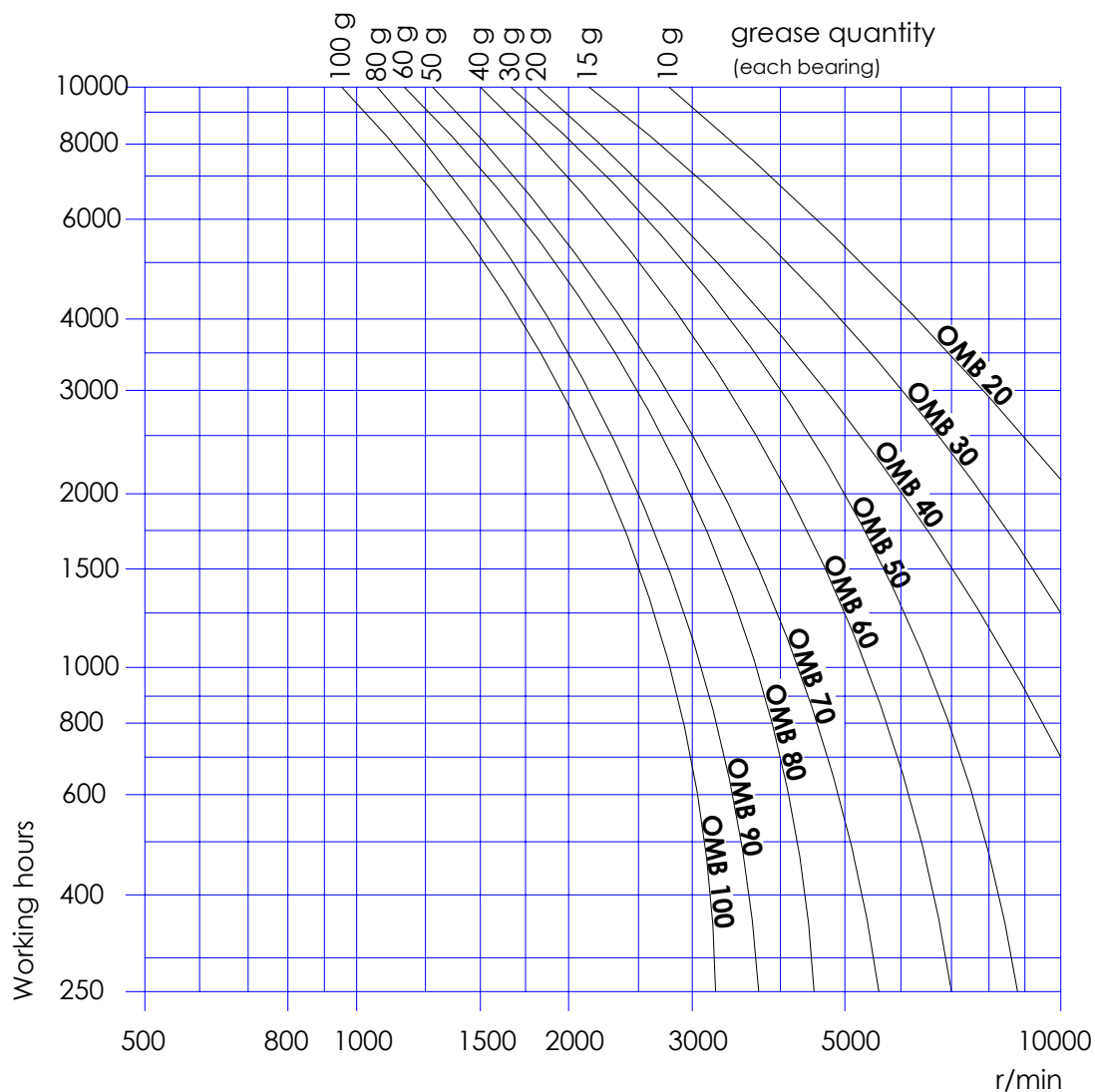
On demand, monoblocs can be produced with different dimensions and bearings, inox or drilled shaft, special seals, arrangement for vibration and temperature feelers.

Relubrication

Monoblocs are pre-lubricated using a lithium grease containing EP additives, consistency NLGI 2, base oil viscosity $\nu=150 \text{ mm}^2/\text{s}$, temperature range $-20^\circ\text{C} +120^\circ\text{C}$.

The presence of grease inside the bearing is assured externally by the aluminium cover and internally by the flinger ring, but it's necessary to relubricate regularly (see the diagram below).

There are no risks of over-lubrication because grease exceeding is pushed out toward the centre of housing, where there is a draining hole that also acts as anti-condensation blowhole.



Recommended greases:

ROL OIL LITEX EP2, ELF EPEXA 2, AGIP GR/MU EP-2, ESSO BEACON EP-2, SHELL ALVANIA EP-2, BP LTX-EP-2, MOBIL MOBILUX EP-2, SKF LG EP-2, FAG L71.

Selection

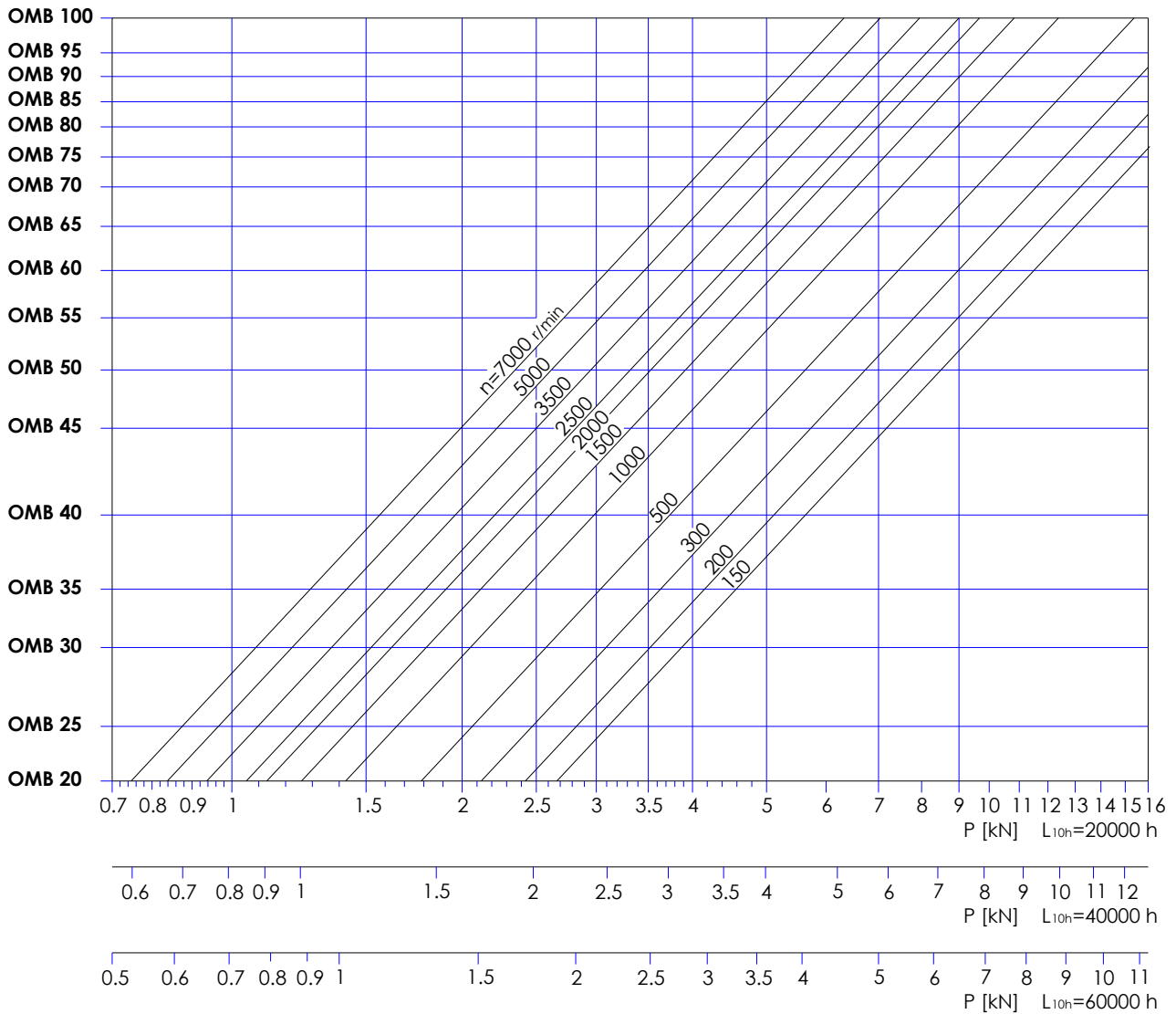
Selection of monoblocs is based on choice of bearings, consequently on load, speed and basic rating life required.

For the most frequent application of industrial fan, following loads are to consider:

- shaft weight, impeller weight (with its dynamic unbalance), pulley or joint weight.
- Shear force in belt drive, radial force in joint drive.
- Axial load on locked bearing generated by fan.

Once calculated total loads on bearings, it's possible to check bearing life, minimum and maximum load, critical speed.

The diagram below let you choose easily the monobloc by equivalent load on the most stressed bearing, by basic rating life required and by speed.

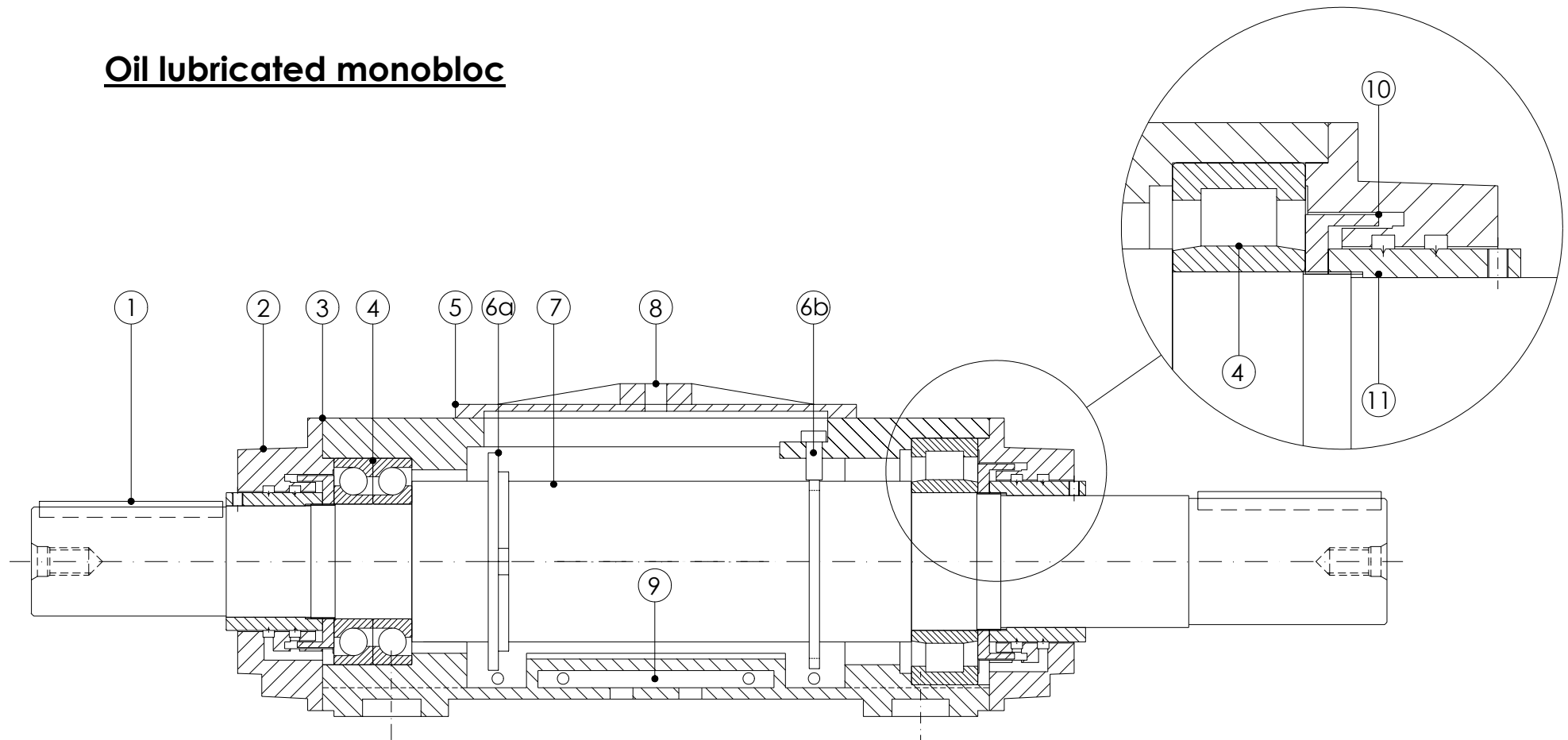




If You need help to select the right monobloc for your utilization fill the form and contact us.

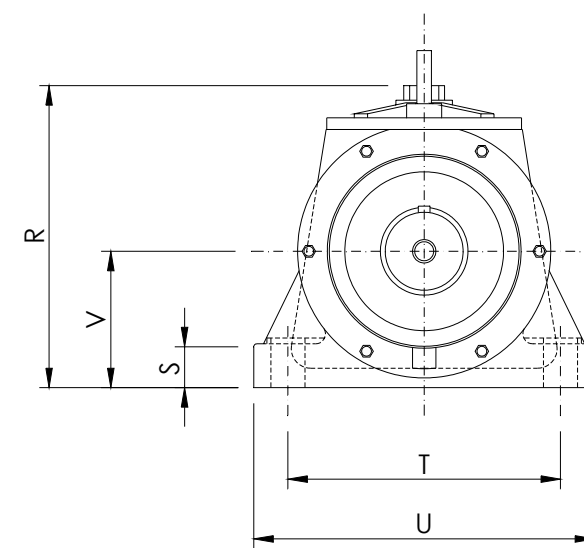
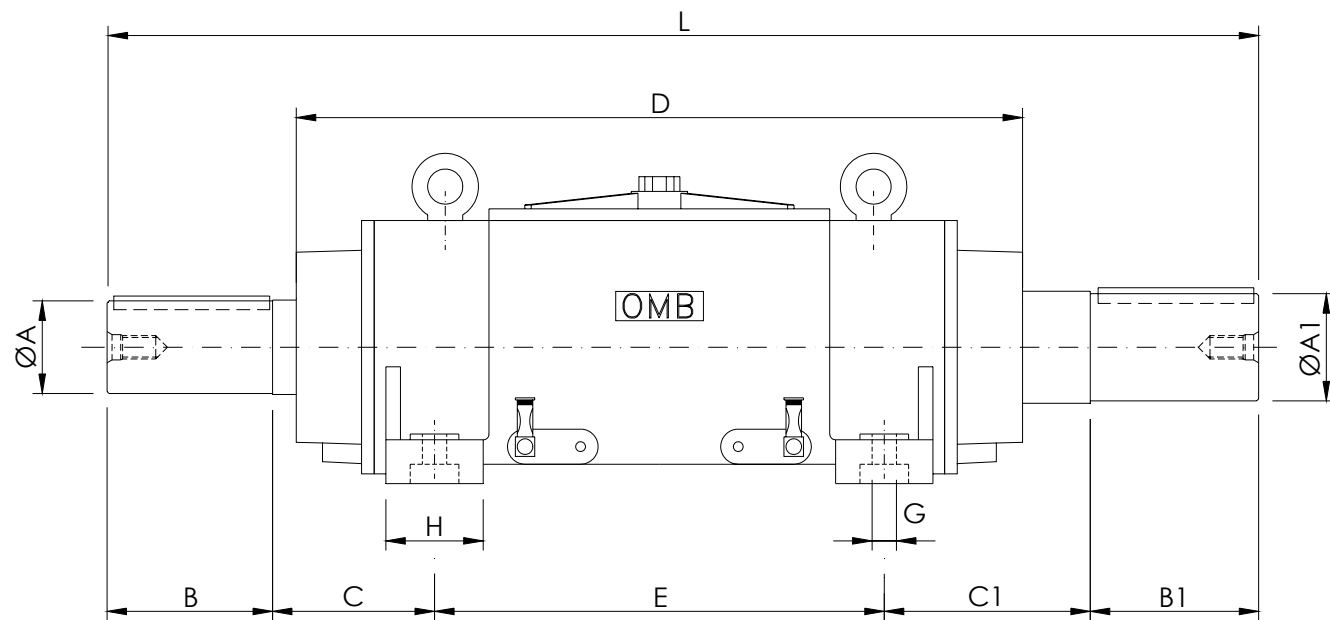
Installation: <input type="checkbox"/> fan <input type="checkbox"/> other:		
Shaft position: <input type="checkbox"/> horizontal <input type="checkbox"/> vertical transmission up <input type="checkbox"/> vertical transmission down		
Engine power:.....kW		Shaft speed:.....r/min
Basic rating life required (L _{10h}):.....hours		Ambient temperature:.....°C
Other information (special ambient, geometrical limitations, etc.):	
Driven side:	<input type="checkbox"/> fan	<input type="checkbox"/> other
	Total weight Impeller side:.....kg	Total weight Driven side:.....kg
	Difference of pressure:.....mm H ₂ O	Axial load:.....N
	Entry diameter:.....mm	Axial load direction:
	Air type <input type="checkbox"/> clean <input type="checkbox"/> lightly dusty <input type="checkbox"/> dusty	<input type="checkbox"/> from transmission side to driven side <input type="checkbox"/> from driven side to transmission side
	Air temperature:.....°C	
Transmission side:	<input type="checkbox"/> Belt drive	<input type="checkbox"/> Joint
	Pulley weight:.....kg	Joint weight:.....kg
	Pitch diameter:.....mm	
	Belt type <input type="checkbox"/> V belt <input type="checkbox"/> flat belt <input type="checkbox"/> timing belt	
	Belt angle (on horizontal):.....°	

Oil lubricated monobloc



Details:

- | | |
|--|---------------------------------|
| 1. Key | 7. Shaft – (material on demand) |
| 2. Side cover - grey cast iron G25 | 8. Oil filling plug |
| 3. Housing – grey cast iron G25 | 9. Cooling tank |
| 4. Bearings set (several pairings possible) | 10. Centrifugating ring |
| 5. Upper cover - grey cast iron G25 | 11. Sleeve |
| 6. a) Oil spreading disk – b) Oil recovering ring (on your choice) | |



	D	E	G	H	R	S	T	U	V	bearing øext.
OMB 75/100 mod.95	740	460	25	105	290	40	280	350	135	160-215
OMB 100/140 mod.130	1114	720	30	150	410	58	440	520	180	215-300

Not specified dimensions are variable on demand.

