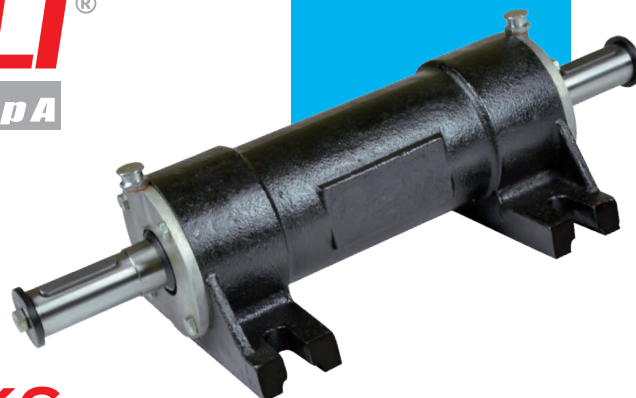




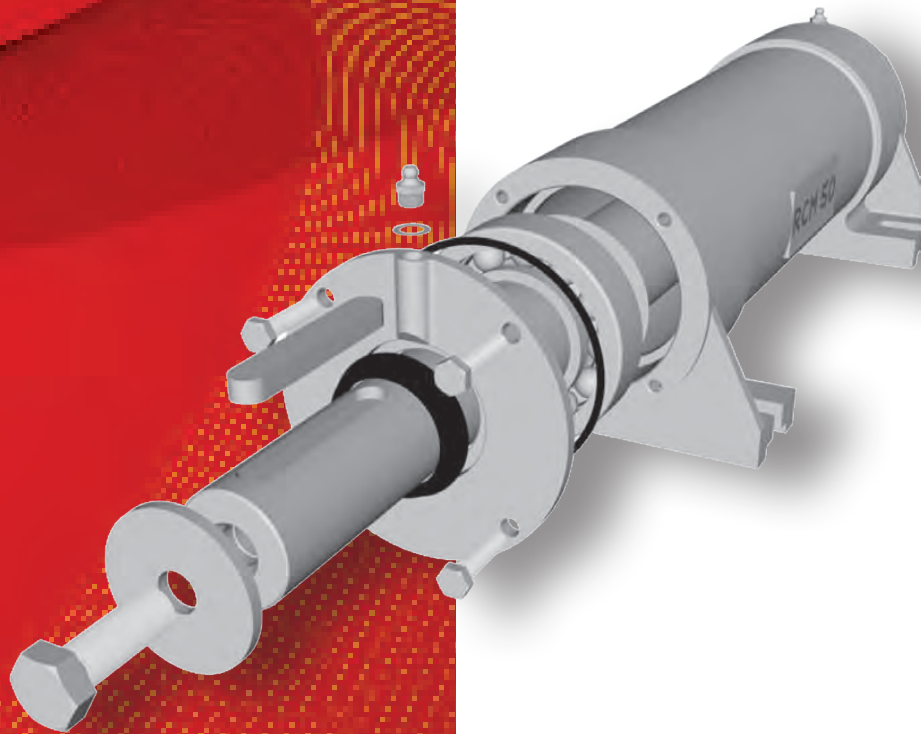
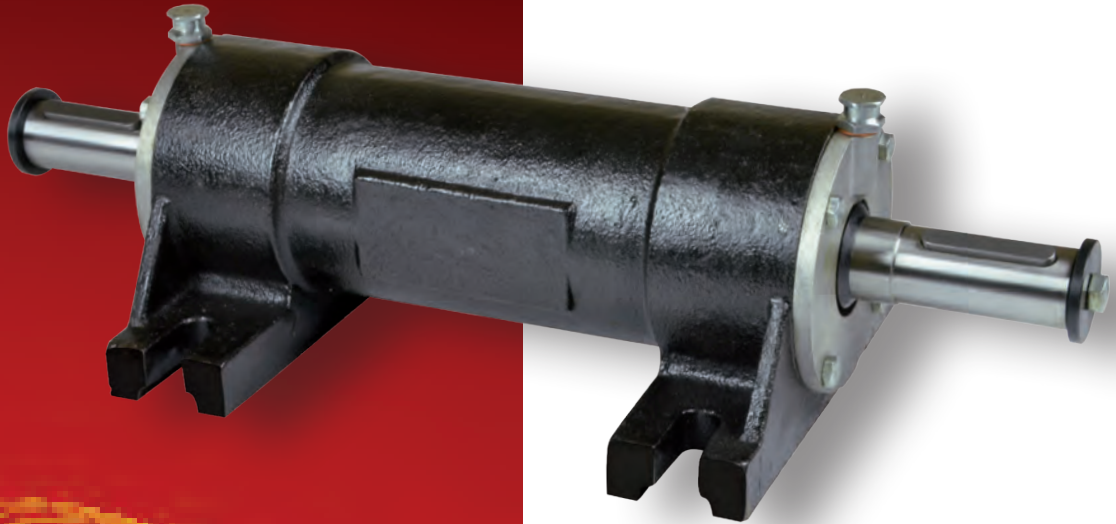
MONOBLOCK PILLOW BLOCKS RCM® BRAND

PILLOW BLOCKS

RCM	SERIES	page 28
	Nominal torque and power rating	31
	Diagram for the choice of RCM pillow blocks	32
RCM	SERIES	
	AS standard shaft	34
RCM	SERIES	
	AL long shaft	36
RCM	SERIES	
	RCM-AL for cooling fan	38
NON-ROTATING GROUP		39

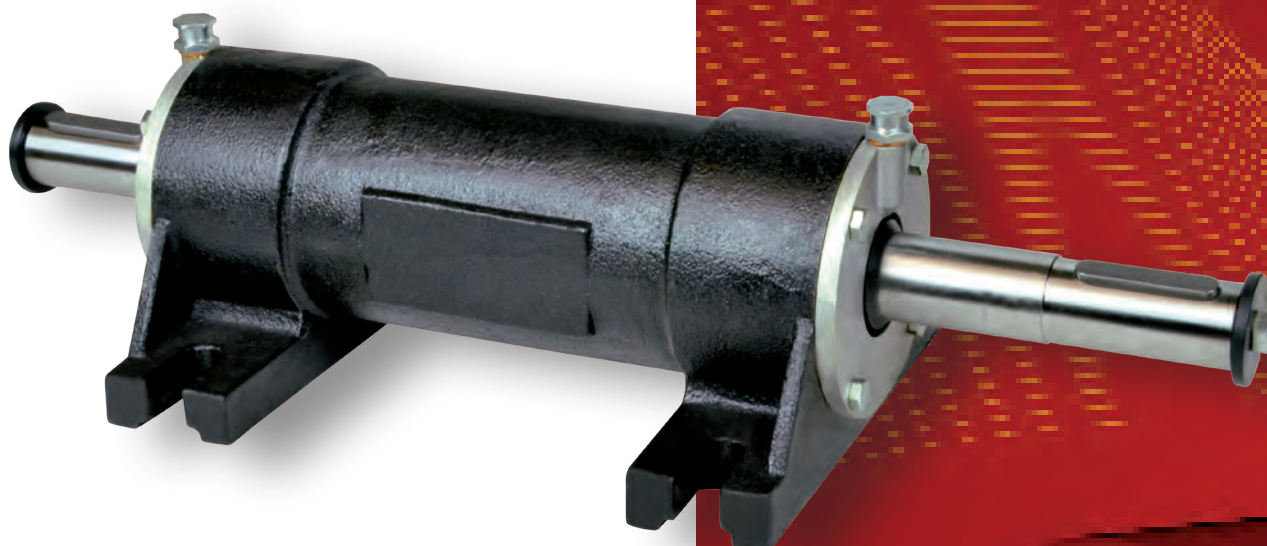


RCM - AS Standard shaft



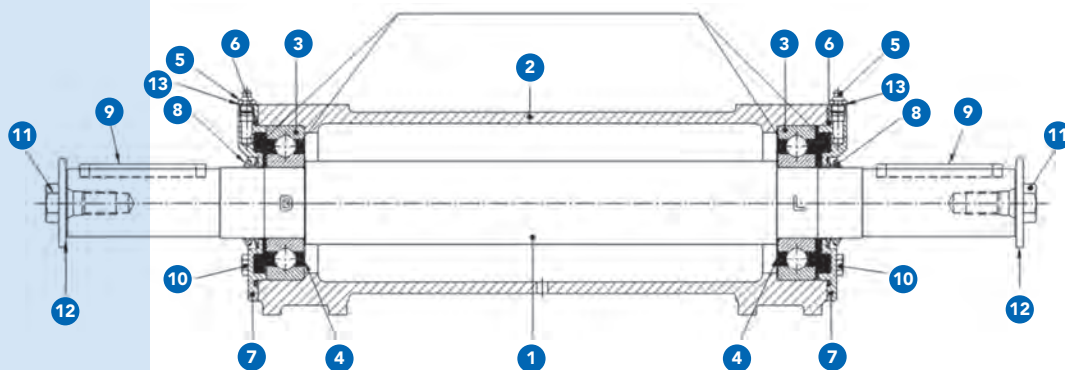


RCM - AL
Long shaft

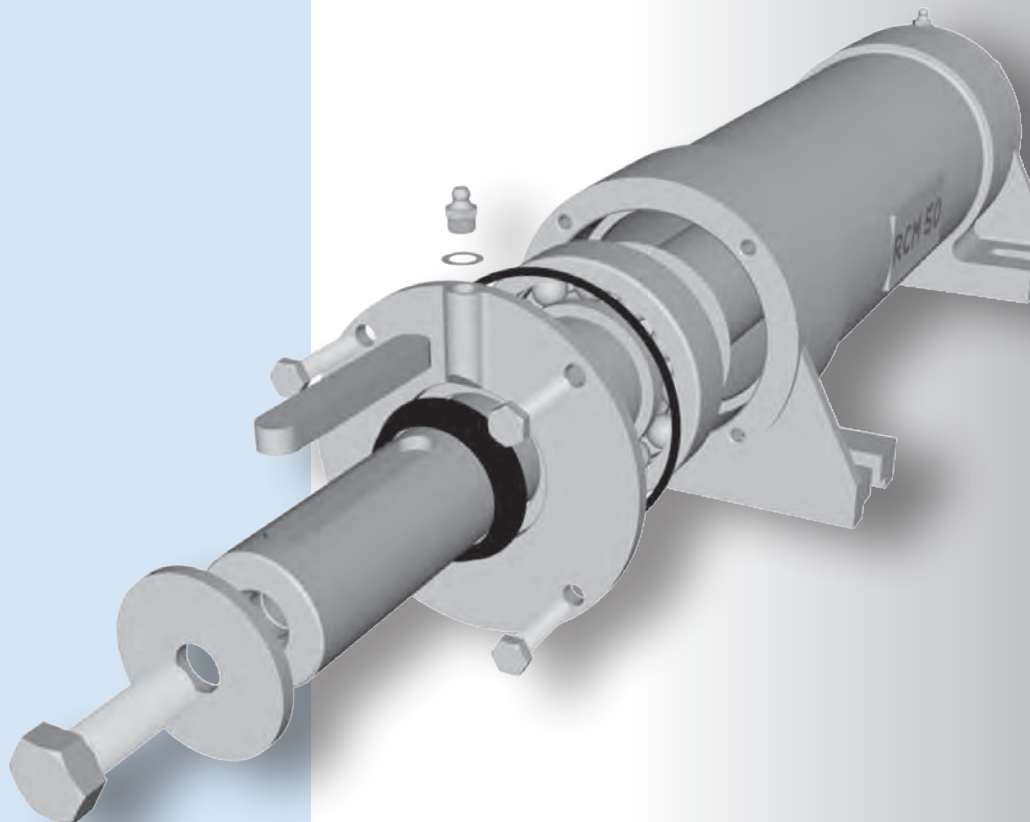



DESCRIPTION

- 1 Steel shaft
- 2 Casing cast iron
- 3 Bearing series 63XX
- 4 Disc retainer
- 5 Galvanized grease
- 6 Seal OR
- 7 Cover
- 8 Ring V-ring
- 9 Key
- 10 Cover zinc screw
- 11 Head zinc screw
- 12 Head washer
- 13 Copper washer



Fill with grease L G M T - 2 S K F





SELECTION CRITERIA OF PILLOWS BLOCKS

The choice of the pillow block is carried out by the curves of power if, the motor type is applied directly, or a gearbox equip the motor.

The maximum output values of the powers and torques are calculated with service factor $F_s=1$

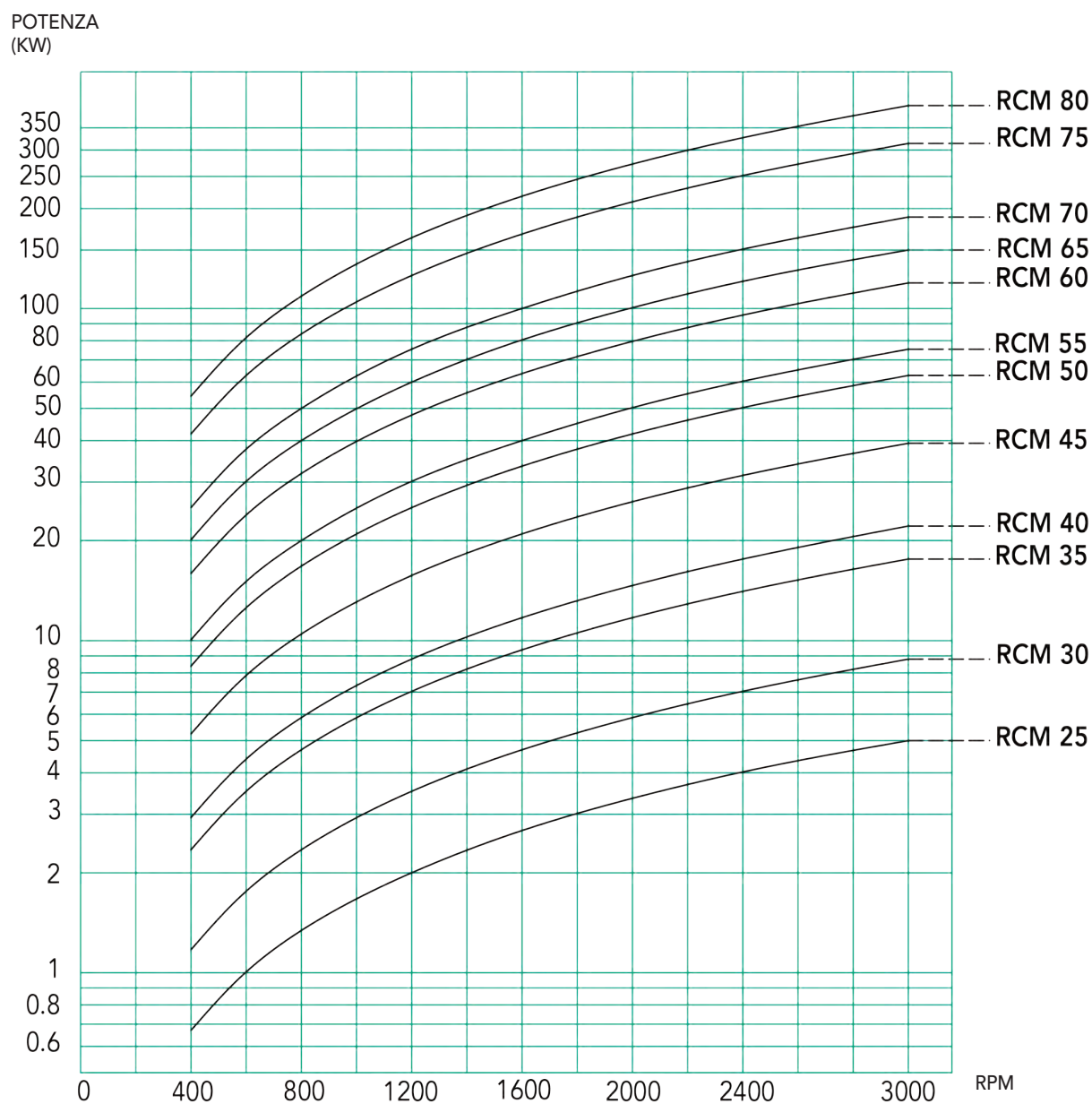
These values must therefore be adapted to the needs and safety criteria of 'user.

THREE-PHASE ASYNCHRONOUS CAGE MOTOR - POWERS IN ACCORDANCE WITH REGULATIONS IEC-72

TYPE	Maximum torque (Nm)	Power with 8 motor poles turns/min. 750 (KW)	Power with 6 motor poles turns/min. 1000 (KW)	Power with 4 motor poles turns/min. 1500 (KW)	Power with 2 motor poles turns/min. 3000 (KW)
RCM 25	16	1,1	1,5	2,2	4,5
RCM 30	28	2,2	3	4,5	9
RCM 35	56	4	5,5	7,5	15
RCM 40	70	5,5	7,5	11	22
RCM 45	125	9,5	11	18,5	37
RCM 50	200	15	18,5	30	55
RCM 55	240	18,5	22	37	75
RCM 60	380	30	37	55	110
RCM 65	480	37	45	75	132
RCM 70	600	45	55	90	160
RCM 75	1000	75	90	132	250
RCM 80	1300	90	132	200	375

PLEASE NOTE:

All data and performance are listed in the catalogue for safety factor $F_s=1$



PLEASE NOTE:

All data and performance are listed in the catalogue for safety factor $F_s=1$

CAD drawings available on our site
www.chiaravalli.com

Quantity, availability and prices
 on B2B Chiaravalli



ALLOWABLE LOAD ON THE SHAFT "LOCKED" SIDE DEPENDING ON THE SHAFT OPERATION SPEED

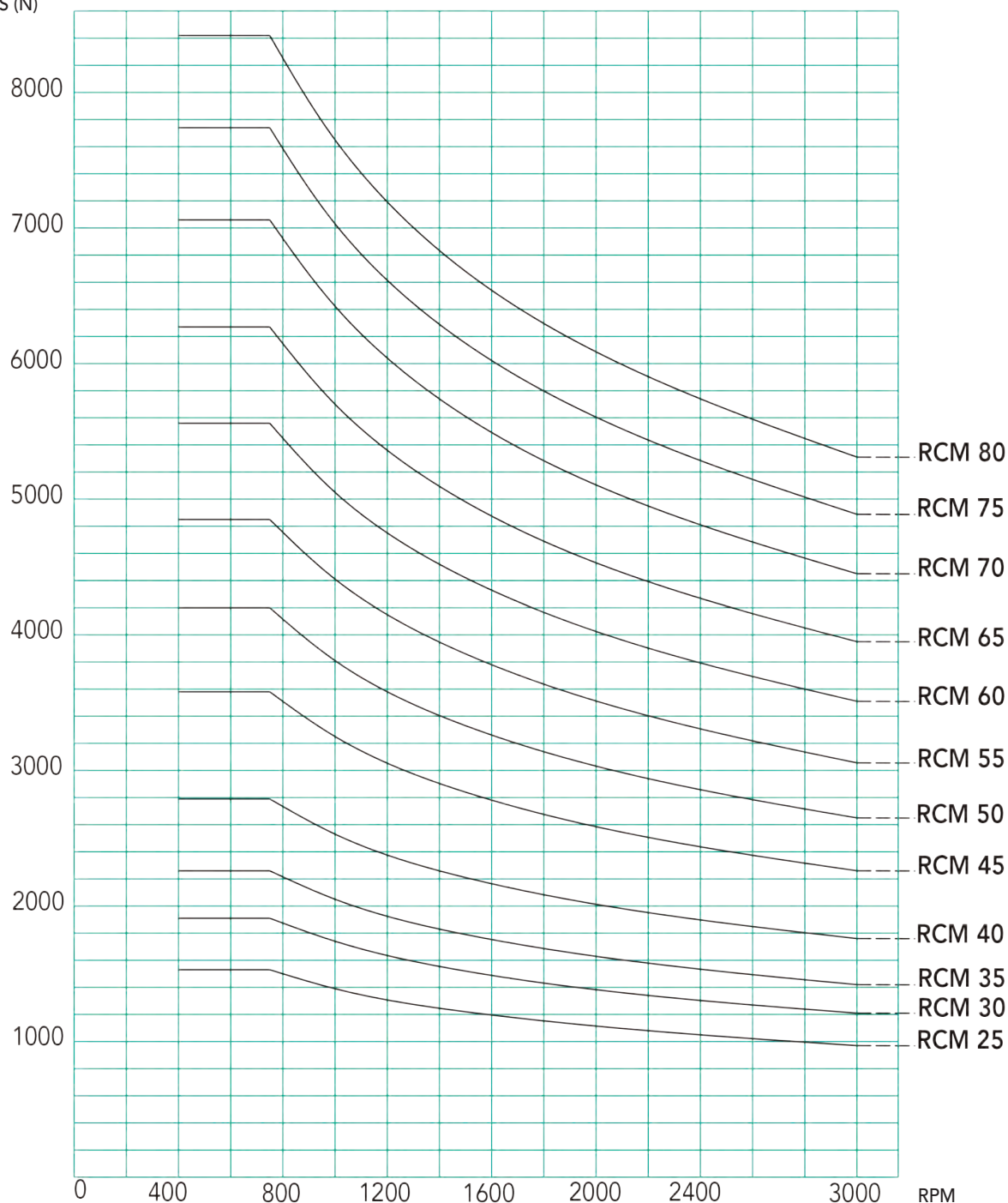
33

If the connection between the drive motor and the support block, or between the support and the user is carried out by means which generate radial loads on the shaft end, you should verify that these loads are less than the allowable loads shown in the below graph. The maximum radial loads shown in the graphs are calculated with service factor $F_s=1$ and apply to an application point at "x" distance from the shaft.

For radial loads applied at a distance greater than and equal to $1.5x$, the value indicated by the graphs must be multiplied by an adjustment factor equal to 0.67

Even the radial loads must be adapted to the specific needs and safety criteria chosen by the user.

RADIAL
LOADS (N)



PLEASE NOTE:

All data and performance are listed in the catalogue for safety factor $F_s=1$

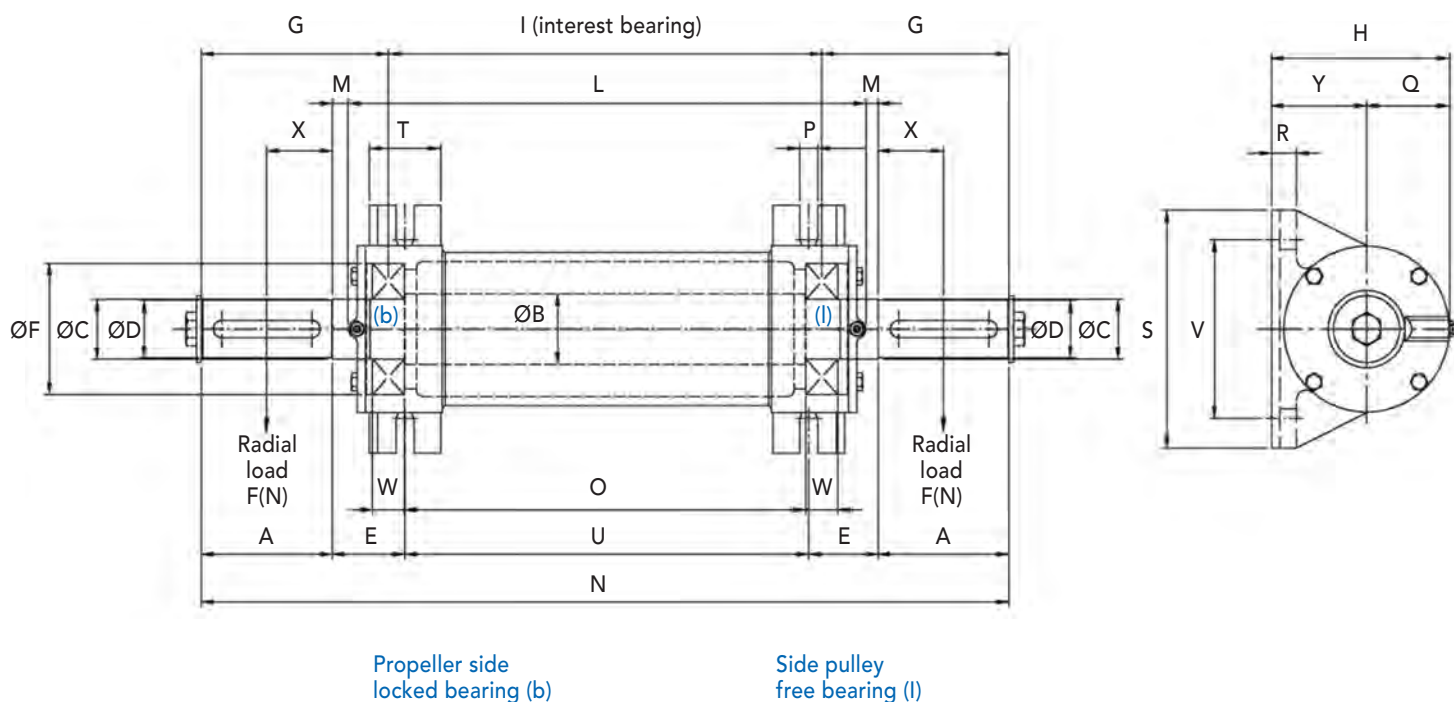
CAD drawings available on our site
www.chiaravalli.com

Quantity, availability and prices
on B2B Chiaravalli

ALLOWABLE LOAD ON THE SHAFT "LOCKED" SIDE DEPENDING ON THE SHAFT OPERATION SPEED



For models
AS 45 - 50 - 55 - 60 - 70 - 75 - 80
can be supplied a non-rotating group
EUROPEAN PATENT N° 03425164.5
fitted in place of the side cover
locked bearing (b)





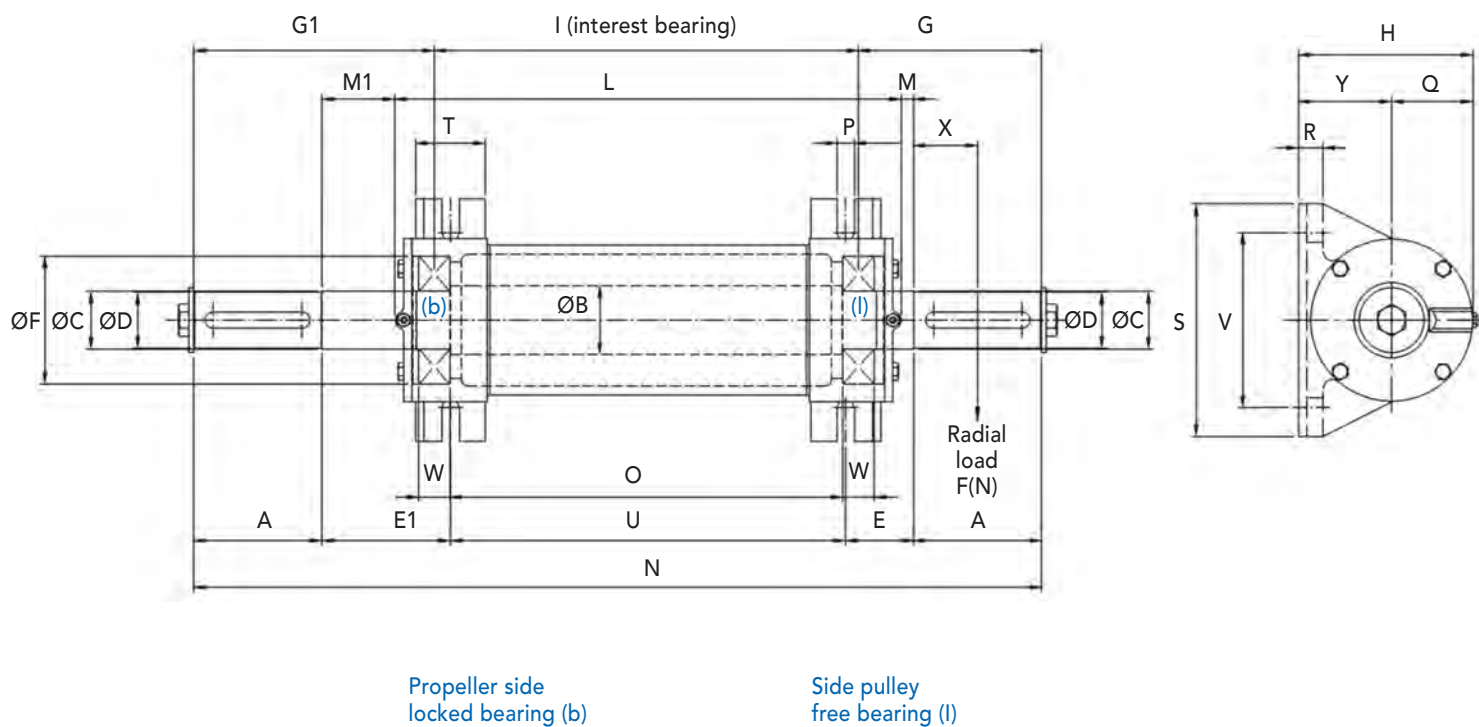
For models
AS 45 - 50 - 55 - 60 - 70 - 75 - 80
can be supplied a non-rotating group
EUROPEAN PATENT N° 03425164.5
fitted in place of the side cover
locked bearing (b)

TYPE	P. NUMBER	ØD	A	E	L	U	ØF	P	T	ØB	N	G	I	O	ØC	Q	H	R	V	S	Y	W	M	X
25	95000251	24j6	50	50	281	200	62	15	50	34	400	88,5	222	205	25	45	105	20	135	180	60	17	9,5	25
30	95000301	28j6	60	50	281	200	72	15	50	39	420	99,5	220	201	30	50	110	20	135	180	60	19	9,5	30
35	95000351	32k6	60	56	352	265	80	15	50	43	497	103,5	288	267	35	54	124	20	145	195	70	21	12,5	30
40	95000401	38k6	80	56	351	265	90	15	50	48	537	125	286	263	40	58	128	20	145	195	70	23	13	40
45	95000451	42k6	110	60	434	340	100	15	60	53	680	156	367	342	45	70	150	20	150	200	80	25	13	55
50	95000501	48k6	110	60	435	340	110	15	60	59	680	156,5	366	339	50	70	150	20	150	200	80	27	12,5	55
55	95000551	48k6	110	86	571	448	120	18	80	64	840	169,5	500	471	55	75	165	24	180	230	90	29	24,5	55
60	95000601	55m6	110	86	570	448	130	18	80	71	840	171	497	466	60	85	175	24	180	230	90	31	25	55
65	95000651	60m6	140	75	574	448	140	20	90	76	878	191	495	462	65	84	184	24	190	250	100	33	12	70
70	95000701	65m6	140	75	574	448	150	20	90	81	878	192	492	457	70	90	190	24	190	250	100	35	12	70
75	95000751	70m6	150	80	594	460	160	22	100	86	930	209	511	474	75	102	202	28	280	355	100	37	18	75
80	95000801	75m6	150	85	598	460	170	22	100	91	930	210	509	470	80	102	202	28	280	355	100	39	16	75

TYPE	P. NUMBER	Bearing	Head screw	Head washer	Key	Weight kg.
25	95000251	6305	M8	8,5 x 36 x 4	8 x 7 x 35	8
30	95000301	6306	M8	8,5 x 36 x 4	8 x 7 x 45	10
35	95000351	6307	M12	12,5 x 48 x 4	10 x 8 x 45	14
40	95000401	6308	M12	12,5 x 48 x 4	10 x 8 x 60	17
45	95000451	6309	M16	16,5 x 63 x 5	12 x 8 x 90	24
50	95000501	6310	M16	16,5 x 63 x 5	14 x 9 x 90	28
55	95000551	6311	M16	16,5 x 85 x 6	14 x 9 x 90	43
60	95000601	6312	M16	16,5 x 85 x 6	16 x 10 x 90	49
65	95000651	6313	M16	16,5 x 85 x 6	18 x 11 x 120	56
70	95000701	6314	M16	16,5 x 85 x 6	18 x 11 x 120	61
75	95000751	6315	M20	20,5 x 100 x 8	20 x 12 x 130	89
80	95000801	6316	M20	20,5 x 100 x 8	20 x 12 x 130	90



For models
AS 45 - 50 - 55 - 60
can be supplied a non-rotating group
EUROPEAN PATENT N° 03425164.5
fitted in place of the side cover
locked bearing (b)





For models
AS 45 - 50 - 55 - 60
can be supplied a non-rotating group
EUROPEAN PATENT N° 03425164.5
fitted in place of the side cover
locked bearing (b)

TYPE	P. NUMBER	ØD	A	E	E1	L	U	ØF	P	T	ØB	N	G	G1	I	O	ØC	Q	H	R	V	S	Y	W	M	X	G1
30	95000302	28j6	60	50	90	281	200	72	15	50	39	460	99,5	139,5	220	201	30	50	110	20	135	180	60	19	9,5	30	49,5
35	95000352	32k6	60	56	100	352	265	80	15	50	43	541	103,5	147,5	288	267	35	54	124	20	145	195	70	21	12,5	30	56,5
40	95000402	38k6	80	56	110	351	265	90	15	50	48	591	125	179	286	263	40	58	128	20	145	195	70	23	13	40	67
45	95000452	42k6	110	60	110	434	340	100	15	60	53	730	156	206	367	342	45	70	150	20	150	200	80	25	13	55	63
50	95000502	48k6	110	60	110	435	340	110	15	60	59	730	156,5	206,5	366	339	50	70	150	20	150	200	80	27	12,5	55	62,5
55	95000552	48k6	110	86	140	571	448	120	18	80	64	894	169,5	223,5	500	471	55	75	165	24	180	230	90	29	24,5	55	78,5
60	95000602	55m6	110	86	140	570	448	130	18	80	71	894	171	225	497	466	60	85	175	24	180	230	90	31	25	55	79
65	95000652	60m6	140	86	140	574	443	140	20	90	76	955	203	257	495	462	65	84	184	24	190	250	100	33	23,5	70	77,5

TYPE	P. NUMBER	Bearing	Head screw	Head washer	Keyway	Weight kg.
30	95000302	6306	M8	8,5 x 36 x 4	8 x 7 x 45	10
35	95000352	6307	M12	12,5 x 48 x 4	10 x 8 x 45	14
40	95000402	6308	M12	12,5 x 48 x 4	10 x 8 x 60	17
45	95000452	6309	M16	16,5 x 63 x 5	12 x 8 x 90	24
50	95000502	6310	M16	16,5 x 63 x 5	14 x 9 x 90	28
55	95000552	6311	M16	16,5 x 85 x 6	14 x 9 x 90	43
60	95000602	6312	M16	16,5 x 85 x 6	16 x 10 x 90	49
65	95000652	6313	M16	16,5 x 85 x 6	18 x 11 x 120	58



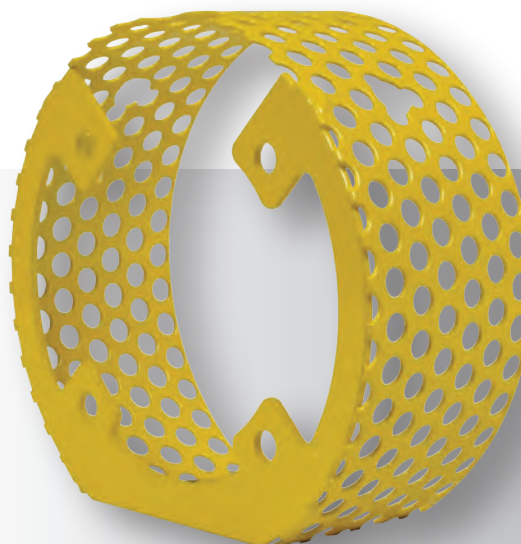
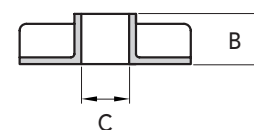
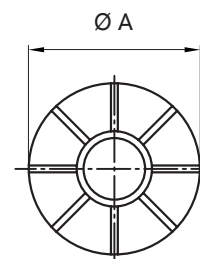
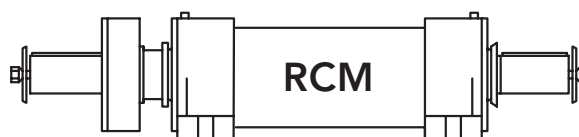
RCM-AL FOR COOLING FAN

TYPE	PART NUMBER	A	B	C
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30	95000303	115	28	29,8
35	95000353	135	30	34,8
40	95000403	135	30	39,8
45	95000453	155	32	44,8
50	95000503	155	32	49,8
55	95000553	170	32	54,8
60	95000603	170	32	59,8
65	95000653	188	30	64,8

TYPE	PART NUMBER
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30	95000001
35-40	95000002
45-50	95000003
55-60	95000004



FAN PROTECTION



FAN

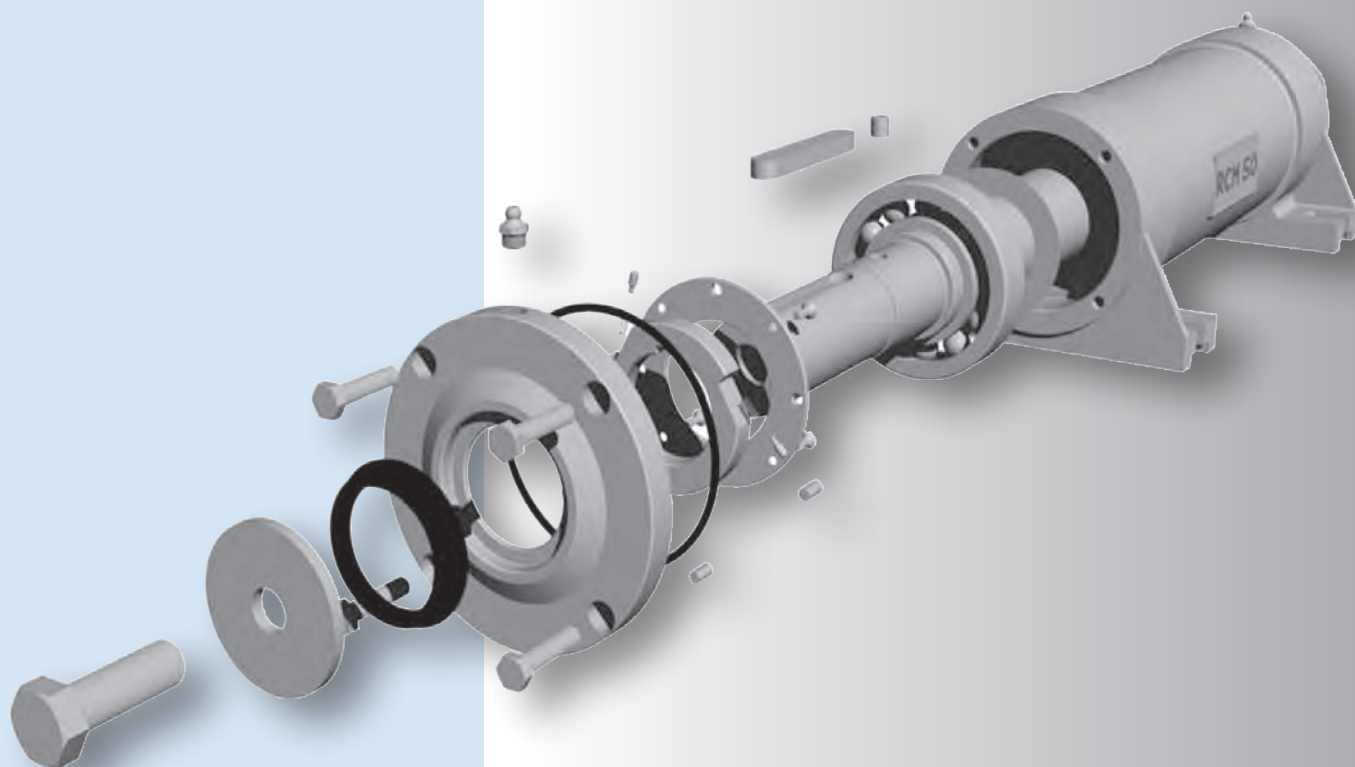


RCM-AS Models with non-rotating group

Type	PART NUMBER	max RPM without load n°/1'
45	95000045	500
50	95000050	475
55	95000055	400
60	95000060	350
65	95000065	350
70	95000070	330
75	95000075	325
80	95000080	300

RCM-AL Models with non-rotating group

Type	PART NUMBER	max RPM without load n°/1'
45	95000045	500
50	95000050	475
55	95000055	400
60	95000060	350
65	95000065	350



EUROPEAN PATENT N° 03425164.5