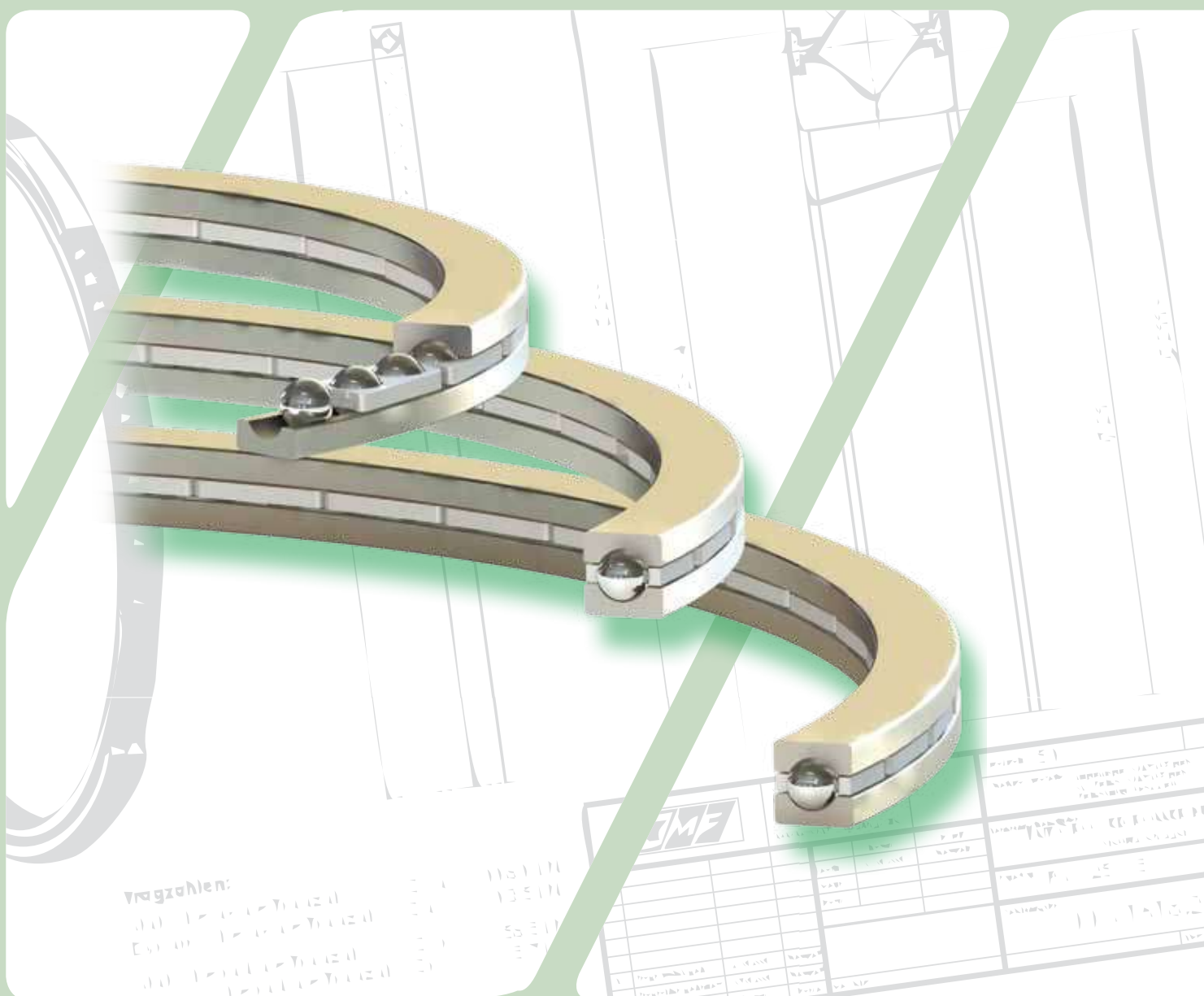




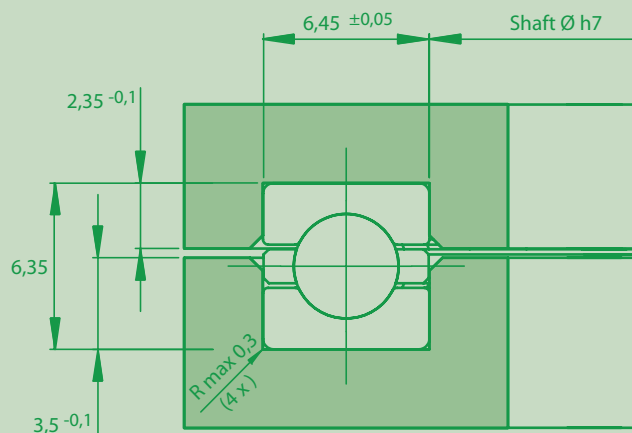
KMF-type ¹⁾	Bearing dimension		Basic load ratings		Mass	Limiting speeds
			Axial			
	d	D	Dyn.	Stat.		
			C _a	C _{oa}		n _{G grease}
	mm	mm	kN	kN	kg	min ⁻¹
PBAU 0460	460	469	10,40	170,0	0,181	330
PBAU 0470	470	479	10,40	174,0	0,185	320
PBAU 0480	480	489	10,60	178,0	0,189	320
PBAU 0490	490	499	10,60	180,0	0,193	310
PBAU 0500	500	509	10,70	184,0	0,197	310
PBAU 0510	510	519	10,70	188,0	0,201	300
PBAU 0520	520	529	10,90	192,0	0,205	290
PBAU 0530	530	539	10,90	196,0	0,209	290
PBAU 0540	540	549	11,05	200,0	0,213	280
PBAU 0550	550	559	11,05	204,0	0,217	280
PBAU 0560	560	569	11,20	206,0	0,221	270
PBAU 0570	570	579	11,20	210,0	0,225	270
PBAU 0580	580	589	11,20	214,0	0,229	260
PBAU 0590	590	599	11,40	218,0	0,233	260
PBAU 0600	600	609	11,40	222,0	0,237	250
PBAU 0610	610	619	11,50	226,0	0,241	250
PBAU 0620	620	629	11,50	230,0	0,245	250
PBAU 0630	630	639	11,70	232,0	0,249	240
PBAU 0640	640	649	11,70	236,0	0,253	240

1) Other dimensions on request

Axial-Ball thrust bearing PBAA



Fitted dimensions



Bearing dimensions

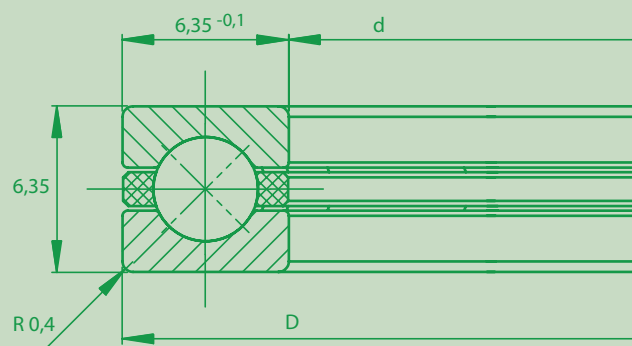


Table of dimensions (Type series PBAA)

KMF-type ¹⁾	Bearing dimension			Basic load ratings		Mass	Limiting speeds
				Axial			
	d		D	Dyn.	Stat.		
				C _a	C _{oa}		
	mm	inch	mm	kN	kN	kg	n _{G grease} min ⁻¹
PBAA 040	101,60	4	114,30	7,9	43,8	0,08	1500
PBAA 042	107,95	4 ¼	120,65	8,0	46,2	0,09	1410
PBAA 045	114,30	4 ½	127,00	8,3	49,2	0,09	1340
PBAA 047	120,65	4 ¾	133,35	8,3	52,0	0,10	1270
PBAA 050	127,00	5	139,70	8,6	55,0	0,11	1200
PBAA 055	139,70	5 ½	152,40	8,9	60,0	0,11	1090
PBAA 060	152,40	6	165,10	9,1	65,0	0,12	1000
PBAA 065	165,10	6 ½	177,80	9,4	70,0	0,13	920
PBAA 070	177,80	7	190,50	9,6	76,0	0,14	860
PBAA 075	190,50	7 ½	203,20	9,9	81,0	0,15	800
PBAA 080	203,20	8	215,90	10,1	87,0	0,16	750
PBAA 085	215,90	8 ½	228,60	10,4	92,0	0,17	710
PBAA 090	228,60	9	241,30	10,6	98,0	0,18	670
PBAA 095	241,30	9 ½	254,00	10,7	104,0	0,19	630
PBAA 100	254,00	10	266,70	11,1	108,0	0,20	600
PBAA 105	266,70	10 ½	279,40	11,2	114,0	0,21	570



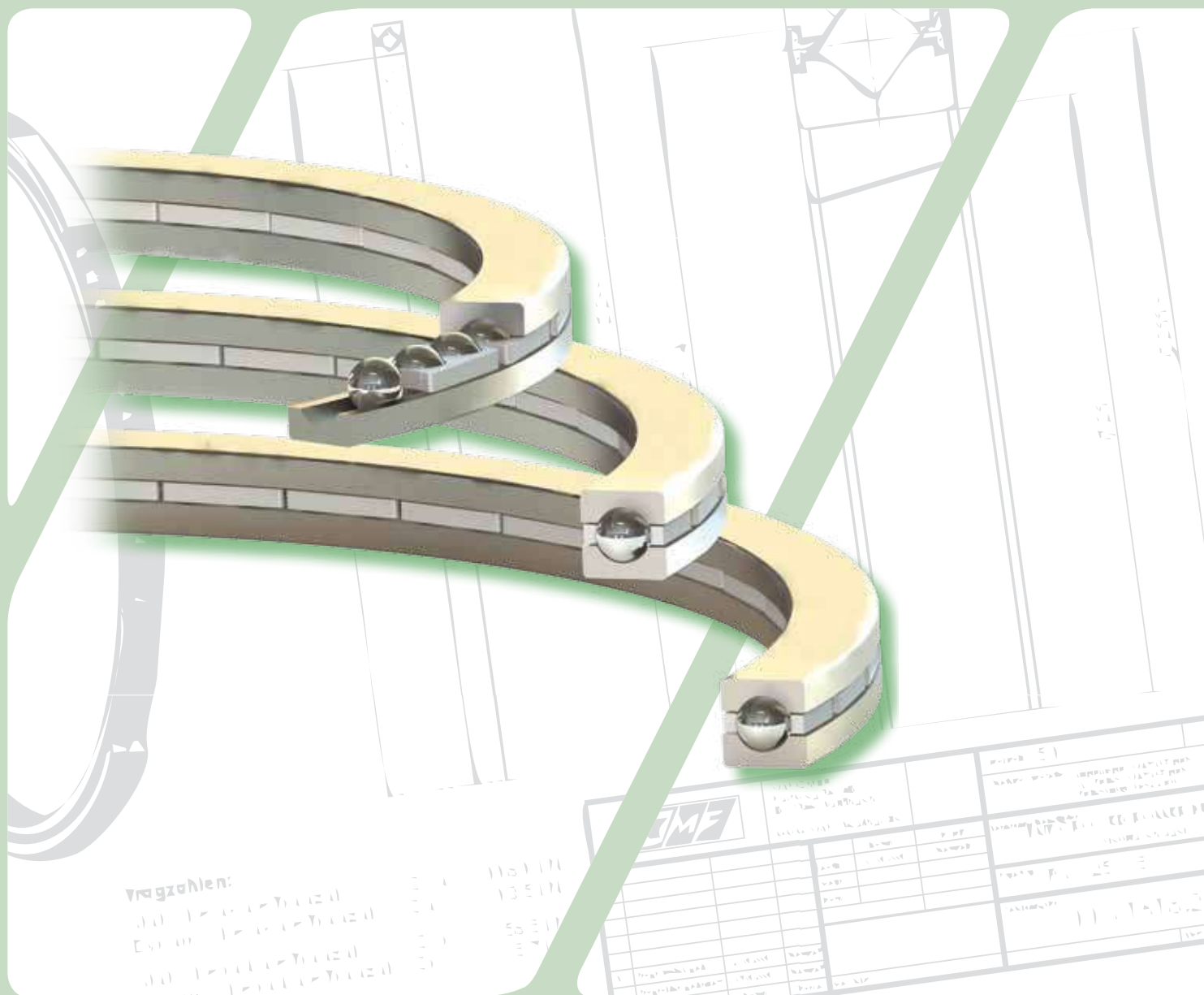
AXIAL-SLIM-SPLIT-BEARING

four point contact bearing

KMF-type ¹⁾	Bearing dimension			Basic load ratings		Mass	Limiting speeds
				Axial			
	d	D	Dyn.	Stat.			
			C _a	C _{oa}	n _{G grease}		
	mm	inch	mm	kN	kN	kg	min ⁻¹
PBAA 110	279,40	11	292,10	11,4	118,0	0,22	550
PBAA 115	292,10	11 ½	304,80	11,5	124,0	0,23	520
PBAA 120	304,80	12	317,50	11,7	130,0	0,24	500
PBAA 125	317,50	12 ½	330,20	11,7	132,0	0,25	480
PBAA 130	330,20	13	342,90	12,0	140,0	0,26	460
PBAA 135	342,90	13 ½	355,60	12,2	146,0	0,27	450
PBAA 140	355,60	14	368,30	12,4	152,0	0,28	430
PBAA 145	368,30	14 ½	381,00	12,5	158,0	0,29	410
PBAA 150	381,00	15	393,70	12,7	162,0	0,30	400
PBAA 155	393,70	15 ½	406,40	12,8	168,0	0,31	390
PBAA 160	406,40	16	419,10	13,0	172,0	0,32	380
PBAA 165	419,10	16 ½	431,80	13,2	178,0	0,33	360
PBAA 170	431,80	17	444,50	13,3	184,0	0,34	350
PBAA 175	444,50	17 ½	457,20	13,5	190,0	0,35	340
PBAA 180	457,20	18	469,90	13,7	194,0	0,36	330
PBAA 185	469,90	18 ½	482,60	13,7	200,0	0,37	320
PBAA 190	482,60	19	495,30	13,8	206,0	0,38	320
PBAA 195	495,30	19 ½	508,00	14,0	210,0	0,39	310
PBAA 200	508,00	20	520,70	14,1	216,0	0,40	300
PBAA 210	533,40	21	546,10	14,3	226,0	0,41	290
PBAA 220	558,80	22	571,50	14,6	238,0	0,43	270
PBAA 230	584,20	23	596,90	14,8	248,0	0,45	260
PBAA 240	609,60	24	622,30	15,1	260,0	0,47	250
PBAA 250	635,00	25	647,70	15,3	270,0	0,49	240
PBAA 260	660,40	26	673,10	15,4	280,0	0,51	230
PBAA 270	685,80	27	698,50	15,8	292,0	0,53	220
PBAA 280	711,20	28	723,90	15,9	302,0	0,55	210
PBAA 290	736,60	29	749,30	16,1	312,0	0,57	210
PBAA 300	762,00	30	774,70	16,4	324,0	0,59	200

1) Other dimensions on request

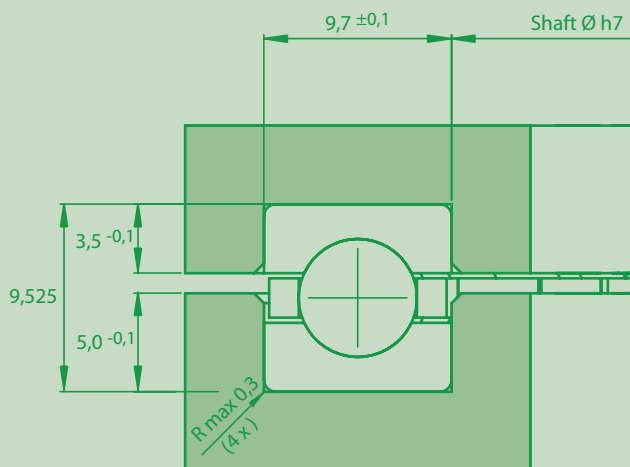
Axial-Ball thrust bearing PBAC



AXIAL-SLIM-SPLIT-BEARING

four point contact bearing

Fitted dimensions



Bearing dimensions

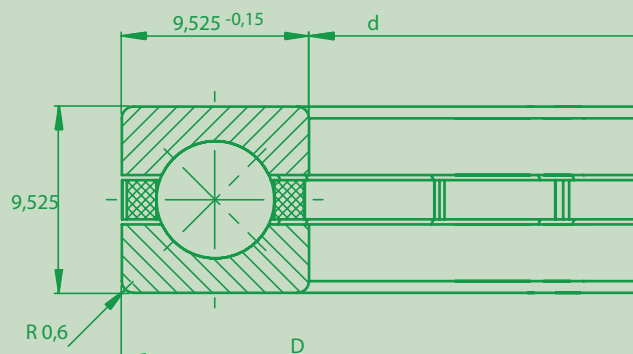


Table of dimensions (Type series PBAC)

KMF-type ¹⁾	Bearing dimension			Basic load ratings		Mass	Limiting speeds
				Axial			
	d		D	Dyn.	Stat.		
				C _a	C _{oa}		n _{G grease}
mm	inch	mm	kN	kN	kg	min ⁻¹	
PBAC 070	177,80	7	196,85	18,7	128,0	0,30	860
PBAC 075	190,50	7 ½	209,55	19,0	136,0	0,32	800
PBAC 080	203,20	8	222,25	19,5	146,0	0,34	750
PBAC 085	215,90	8 ½	234,95	19,8	154,0	0,36	710
PBAC 090	228,60	9	247,65	20,3	164,0	0,38	670
PBAC 095	241,30	9 ½	260,35	20,8	174,0	0,39	630
PBAC 100	254,00	10	273,05	21,1	182,0	0,41	600
PBAC 105	266,70	10 ½	285,75	21,6	192,0	0,43	570
PBAC 110	279,40	11	298,45	21,9	200,0	0,45	550
PBAC 115	292,10	11 ½	311,15	22,3	210,0	0,47	520
PBAC 120	304,80	12	323,85	22,6	218,0	0,49	500
PBAC 130	330,20	13	349,25	23,2	236,0	0,53	460
PBAC 140	355,60	14	374,65	23,9	254,0	0,56	430
PBAC 150	381,00	15	400,05	24,5	272,0	0,60	400
PBAC 160	406,40	16	425,45	25,0	290,0	0,64	380
PBAC 170	431,80	17	450,85	25,5	308,0	0,68	350
PBAC 180	457,20	18	476,25	26,2	326,0	0,72	330
PBAC 190	482,60	19	501,65	26,7	344,0	0,76	320



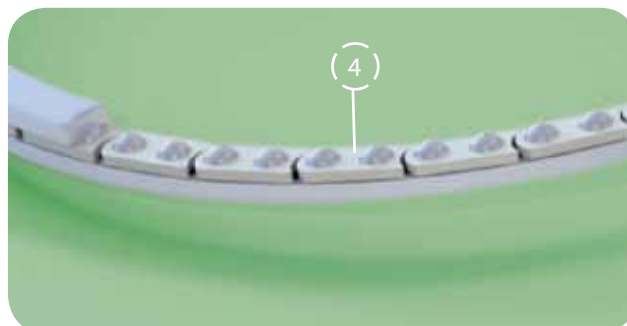
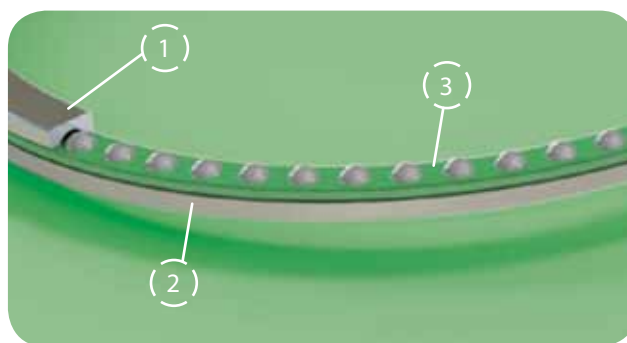
KMF-type ¹⁾	Bearing dimension			Basic load ratings		Mass	Limiting speeds
				Axial			
	d		D	Dyn.	Stat.		
				C _a	C _{oa}		
	mm	inch	mm	kN	kN	kg	min ⁻¹
PBAC 200	508,00	20	527,05	27,1	362,0	0,79	300
PBAC 210	533,40	21	552,45	27,6	380,0	0,83	290
PBAC 220	558,80	22	577,85	28,1	398,0	0,87	270
PBAC 230	584,20	23	603,25	28,6	416,0	0,91	260
PBAC 240	609,60	24	628,65	29,1	434,0	0,95	250
PBAC 250	635,00	25	654,05	29,4	452,0	0,98	240
PBAC 260	660,40	26	679,45	29,9	470,0	1,02	230
PBAC 270	685,80	27	704,85	30,4	490,0	1,06	220
PBAC 280	711,20	28	730,25	30,7	510,0	1,10	210
PBAC 290	736,60	29	755,65	31,0	520,0	1,14	210
PBAC 300	762,00	30	781,05	31,4	540,0	1,18	200
PBAC 310	787,40	31	806,45	31,9	560,0	1,22	190
PBAC 320	812,80	32	831,85	32,2	580,0	1,26	190
PBAC 330	838,20	33	857,25	32,5	600,0	1,30	180
PBAC 340	863,60	34	882,65	33,0	610,0	1,34	180

1) Other dimensions on request

Component parts PBAC

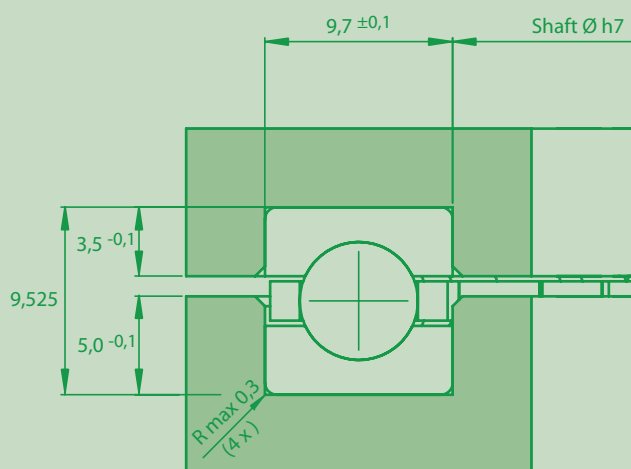
- (1) Bearing top ring
Conformed raceway
- (2) Bearing under ring
Conformed raceway
- (3) Cage strip with balls
Balls holded and guided

- Optional
- (4) Cage segments with balls
Balls holded and guided



Axial-Ball thrust bearing PBAC – metric

Fitted dimensions



Bearing dimensions

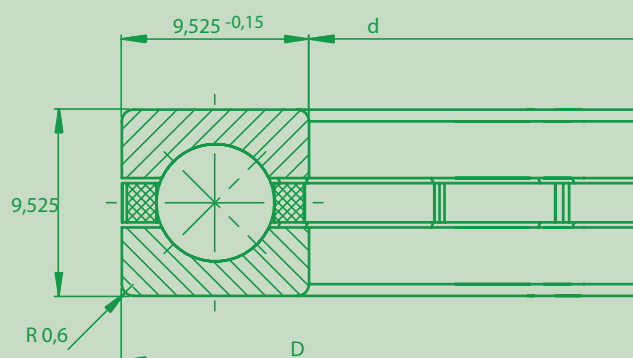


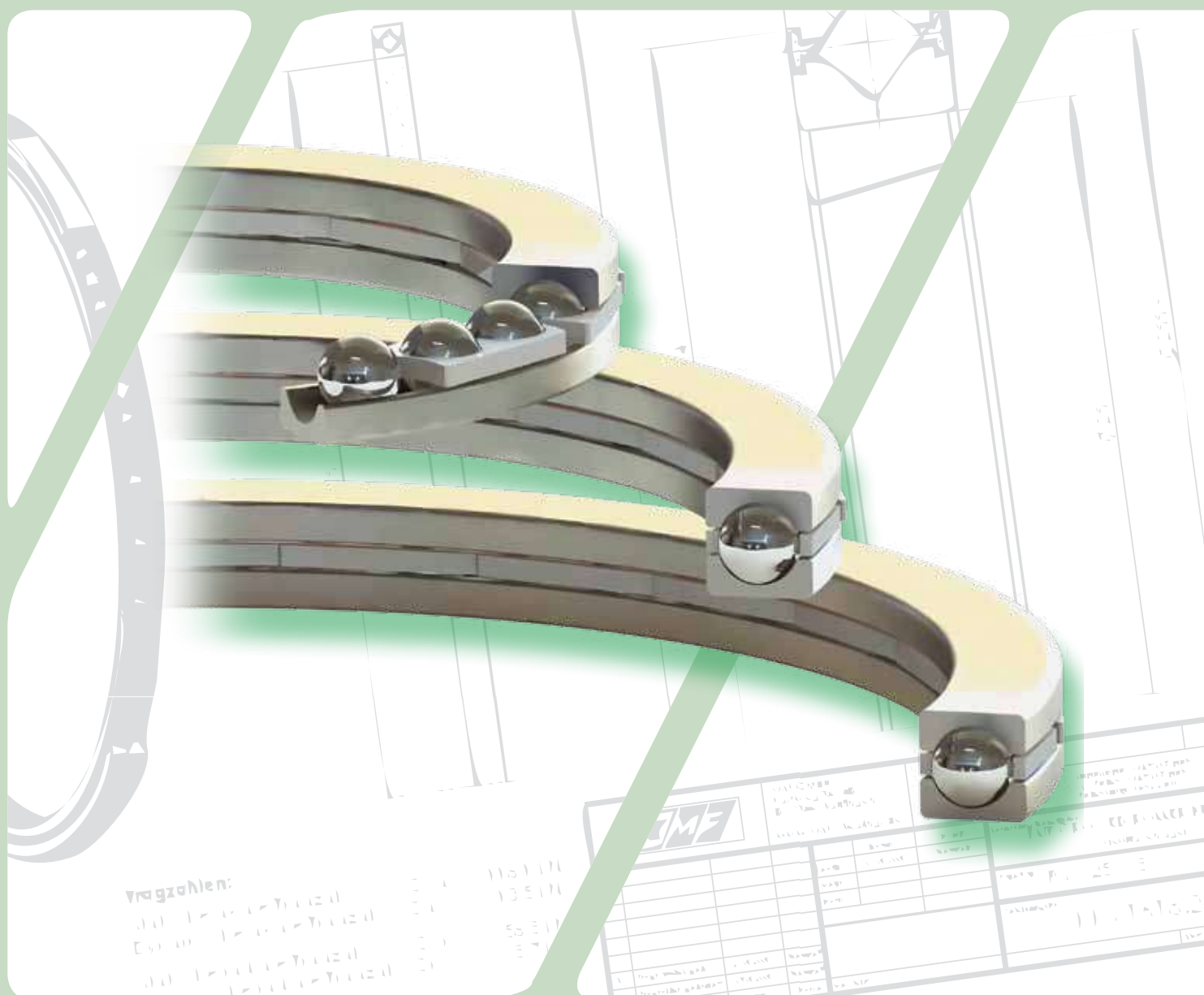
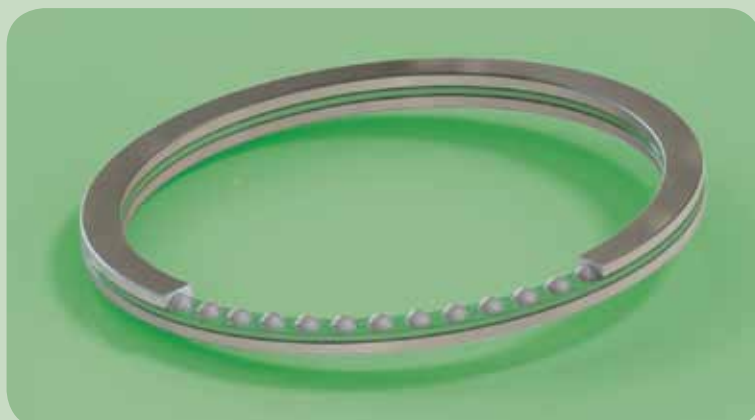
Table of dimensions (Type series PBAC metric)

KMF-type ¹⁾	Bearing dimension			Basic load ratings		Mass	Limiting speeds
				Axial			
	D _L ²⁾	d	D	Dyn.	Stat.		
				C _a	C _{oa}		n _{G grease}
	mm	mm	mm	kN	kN	kg	min ⁻¹
PBAC 0195	195	185,5	204,5	18,8	131,7	0,30	820
PBAC 0260	260	250,5	269,5	21,8	177,8	0,40	610
PBAC 0295	295	285,5	304,5	23,3	202,7	0,48	530
PBAC 0395	395	385,5	404,5	27,0	273,9	0,62	400
PBAC 0520	520	510,5	529,5	31,2	362,4	0,82	300
PBAC 0690	690	680,5	699,5	36,0	483,1	1,10	220
PBAC 0720	720	710,5	729,5	36,8	504,4	1,15	210
PBAC 0722	722	712,5	731,5	36,9	505,8	1,16	210
PBAC 0875	875	865,5	884,5	40,6	614,5	1,40	180
PBAC 0880	880	870,5	889,5	40,7	618,0	1,41	180
PBAC 1090	1090	1080,5	1099,5	45,4	767,0	1,74	140
PBAC 1230	1230	1220,5	1239,5	48,2	866,0	1,97	130
PBAC 1410	1410	1400,5	1419,5	51,6	994,0	2,26	110

1) Other dimensions on request

2) Running circle diameter

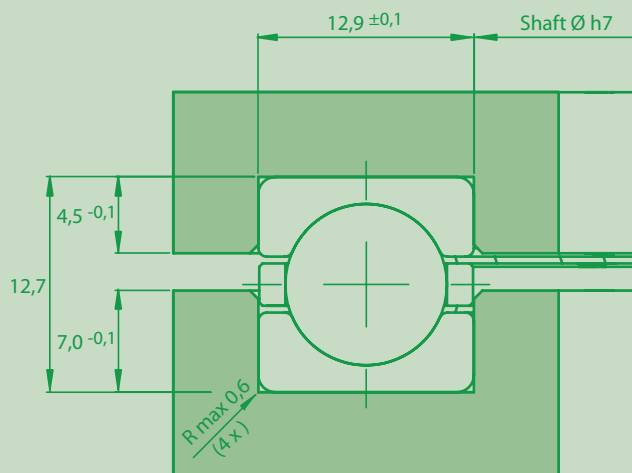
Axial-Ball thrust bearing PBAD



AXIAL-SLIM-SPLIT-BEARING

four point contact bearing

Fitted dimensions



Bearing dimensions

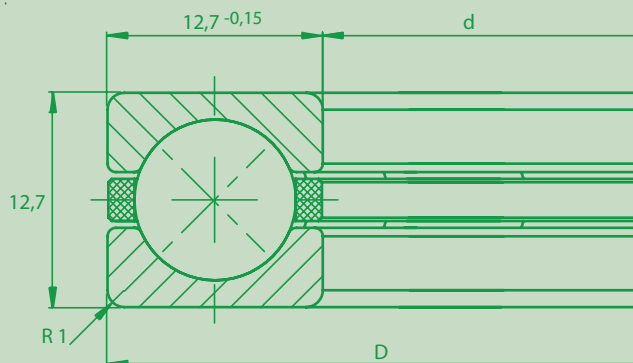


Table of dimensions (Type series PBAD)

KMF-type ¹⁾	Bearing dimension			Basic load ratings		Mass	Limiting speeds
				Axial			
	d		D	Dyn.	Stat.		
				C _a	C _{oa}		
	mm	inch	mm	kN	kN	kg	min ⁻¹
PBAD 070	177,80	7	203,2	36,7	208,0	0,557	860
PBAD 075	190,50	7 ½	215,9	37,9	224,0	0,594	800
PBAD 080	203,20	8	228,6	38,7	238,0	0,631	750
PBAD 085	215,90	8 ½	241,3	39,3	252,0	0,668	710
PBAD 090	228,60	9	254,0	40,5	270,0	0,705	670
PBAD 095	241,30	9 ½	266,7	41,4	282,0	0,742	630
PBAD 100	254,00	10	279,4	41,4	296,0	0,779	600
PBAD 105	266,70	10 ½	292,1	43,1	314,0	0,816	570
PBAD 110	279,40	11	304,8	43,1	326,0	0,853	550
PBAD 115	292,10	11 ½	317,5	43,9	340,0	0,891	520
PBAD 120	304,80	12	330,2	44,7	358,0	0,928	500
PBAD 130	330,20	13	355,6	46,3	384,0	1,002	460





KMF-type ¹⁾	Bearing dimension			Basic load ratings		Mass	Limiting speeds
				Axial			
	d	D	Dyn.	Stat.			
			C _a	C _{oa}			
	mm	inch	mm	kN	kN	kg	min ⁻¹
PBAD 140	355,60	14	381,00	47,1	416,0	1,076	430
PBAD 150	381,00	15	406,40	48,8	446,0	1,150	400
PBAD 160	406,40	16	431,80	49,6	474,0	1,225	380
PBAD 170	431,80	17	457,20	51,2	500,0	1,299	350
PBAD 180	457,20	18	482,60	52,0	540,0	1,373	330
PBAD 190	482,60	19	508,00	52,8	560,0	1,447	320
PBAD 200	508,00	20	533,40	53,6	590,0	1,521	300
PBAD 210	533,40	21	558,80	54,4	620,0	1,596	290
PBAD 220	558,80	22	584,20	56,1	650,0	1,670	270
PBAD 230	584,20	23	609,60	56,1	680,0	1,744	260
PBAD 240	609,60	24	635,00	57,7	710,0	1,818	250
PBAD 250	635,00	25	660,40	58,5	740,0	1,892	240
PBAD 260	660,40	26	685,80	59,3	770,0	1,967	230
PBAD 270	685,80	27	711,20	60,1	800,0	2,041	220
PBAD 280	711,20	28	736,60	60,9	830,0	2,115	210
PBAD 290	736,60	29	762,00	61,8	860,0	2,189	210
PBAD 300	762,00	30	787,40	62,6	890,0	2,264	200
PBAD 310	787,40	31	812,80	63,4	920,0	2,338	190
PBAD 320	812,80	32	838,20	64,2	950,0	2,412	190
PBAD 330	838,20	33	863,60	64,2	970,0	2,486	180
PBAD 340	863,60	34	889,00	65,0	1000,0	2,560	180
PBAD 400	1016,00	40	1041,40	70,5	1175,0	3,012	155
PBAD 405	1028,70	40 ½	1054,10	71,0	1190,0	3,049	150
PBAD 417	1060,45	41 ¾	1085,85	72,0	1230,0	3,143	145
PBAD 420	1066,80	42	1092,20	72,2	1235,0	3,162	140

1) Other dimensions on request

Axial-Whisper-ball thrust bearing PFAC



Description of shape

The Whisper-Thin ring bearing consists of a thin ring bearing type series PBAC, which is covered on the top and under ring with an elastomer sheath with a hardness of 70 Shore.

Operating conditions

The temperature limits of the standard bearing in continuous operation are -40°C and +80°C. This whisper thin ring bearing has additionally to the PBAC more outstanding features.

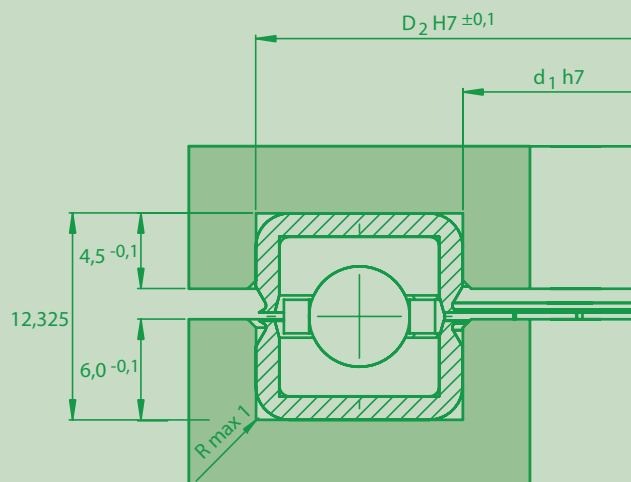
Features

- Low operating noise
- Low impact sound
- Insusceptible to shock
- Large installation tolerances on the connecting parts
- The raceway system is protected from rough contamination due to reduction of the bearing gap

AXIAL-SLIM-SPLIT-BEARING

four point contact bearing

Fitted dimensions



Bearing dimensions

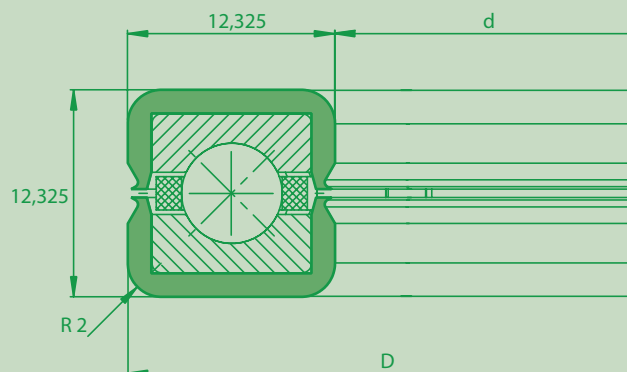


Table of dimensions (Type series PFAC)

KMF-type ¹⁾	Bearing- dimension		Fitted dimensions		Basic load ratings		Mass	Limiting speeds
					Axial			
	d	D	d ₁	D ₂	Dyn.	Stat.		
					C _a	C _{oa}		n _{G grease}
	mm	mm	mm	mm	kN	kN	kg	min ⁻¹
PFAC 070	175,0	199,65	175,0	200,0	16,8	115,2	0,32	870
PFAC 075	187,7	212,35	187,7	212,7	17,1	122,4	0,34	810
PFAC 080	200,4	225,05	200,4	225,4	17,6	131,4	0,36	760
PFAC 085	213,1	237,75	213,1	238,1	17,8	138,6	0,38	720
PFAC 090	225,8	250,45	225,8	250,8	18,3	147,6	0,41	680
PFAC 095	238,5	263,15	238,5	263,5	18,7	156,6	0,43	640
PFAC 100	251,2	275,85	251,2	276,2	19,0	163,8	0,45	610
PFAC 105	263,9	288,55	263,9	288,9	19,4	172,8	0,47	580
PFAC 110	276,6	301,25	276,6	301,6	19,7	180,0	0,50	550

