



PA cage,
stainless steel balls



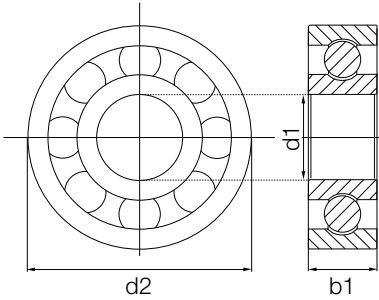
PEEK cage,
stainless steel balls



PEEK cage,
glass balls



PEEK cage,
PAI balls



Order key

Type	Material
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BB-623-A500-10-ES

Ball bearings	Dimensions according to DIN 625-1	Race material	Cage material	Ball material
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- Options:
- Cage material
 - 10 = PA
 - 70 = PEEK
 - Ball material
 - ES = Stainless steel
 - GL = Glass
 - PAI = Polyamide-imide

Technical data

Installation size	Radial load capacity				Max. speed	Weight			
	stat.	dyn.	stat.	dyn.		PA/ stainless steel	PEEK/ stainless steel	PEEK/ glass	PEEK/ PAI
	[N]	[N]	[N]	[N]		[g]	[g]	[g]	[g]
623	27	30	–	–	5,000	0.4	0.4	0.3	–
624	30	40	–	–	4,500	1.9	1.0	0.9	–
625	36	43	–	–	3,700	–	–	–	–
635	48	52	–	–	3,400	–	–	–	–
626	54	60	15	20	3,400	2.3	2.3	1.6	1.4
636	72	76	–	–	2,450	–	–	–	–
627	72	74	–	–	2,600	–	–	–	–
688	36	38	–	–	3,150	–	–	–	–
608	72	78	18	25	2,700	3.7	3.7	2.4	2.2
628	98	104	–	–	2,500	–	–	–	–
638	102	108	–	–	2,300	–	–	–	–
629	102	112	–	–	2,350	–	–	–	–
6800	42	46	–	–	2,300	–	–	–	–
6000	102	107	25	34	2,100	6.0	6.0	3.8	3.4
6200	126	132	–	–	2,100	–	–	–	–
6801	54	57	–	–	2,150	–	–	–	–
6001	105	124	–	–	2,040	–	–	–	–
6201	132	141	–	–	1,820	–	–	–	–
6802	72	76	–	–	1,920	–	–	–	–
6002	132	145	32	41	1,900	9.1	9.1	5.2	5.6
6202	135	146	–	–	1,600	–	–	–	–
6803	84	84	–	–	1,760	–	–	–	–
6003	138	152	–	–	1,790	–	–	–	–
6203	228	232	–	–	1,450	–	–	–	–



Order example:

BB-623-A500-10-ES = Radial deep groove ball bearing with race material xirodur® A500, PA cage and stainless steel balls

Dimensions [mm]

Inner Ø	Outer Ø	Width	Cage/ball material combination				Part No.
d1	d2	b1	PA/ES	PEEK/ES	PEEK/GL	PEEK/PAI	
3	10	4	●	●	●	–	BB-623-A500- -
4	13	5	●	●	●	–	BB-624-A500- -
5	16	5	●	●	●	–	BB-625-A500- -
5	19	6	●	●	●	–	BB-635-A500- -
6	19	6	●	●	●	●	BB-626-A500- -
6	22	7	●	●	●	–	BB-636-A500- -
7	22	7	●	●	●	–	BB-627-A500- -
8	16	5	●	●	●	–	BB-688-A500- -
8	22	7	●	●	●	●	BB-608-A500- -
8	24	8	●	●	●	–	BB-628-A500- -
8	28	9	●	●	●	–	BB-638-A500- -
9	26	8	●	●	●	–	BB-629-A500- -
10	19	5	●	●	●	–	BB-6800-A500- -
10	26	8	●	●	●	●	BB-6000-A500- -
10	30	9	●	●	●	–	BB-6200-A500- -
12	21	5	●	●	●	–	BB-6801-A500- -
12	28	8	●	●	●	●	BB-6001-A500- -
12	32	10	●	●	●	–	BB-6201-A500- -
15	24	5	●	●	●	–	BB-6802-A500- -
15	32	9	●	●	●	●	BB-6002-A500- -
15	35	11	●	●	●	–	BB-6202-A500- -
17	26	5	●	●	●	–	BB-6803-A500- -
17	35	10	●	●	●	●	BB-6003-A500- -
17	40	12	●	●	●	–	BB-6203-A500- -



Available from stock

Upon request



3D CAD files, prices and delivery time online ► www.igus.sk/xiros 899

Technical data

Installation size	Radial load capacity				Max. speed	Weight			
	stat.	dyn.	stat.	dyn.		PA/ stainless steel	PEEK/ stainless steel	PEEK/ glass	PEEK/ PAI
			PEEK/PAI						
			[N]	[N]					
6804	90	93	–	–	1,560	–	–	–	–
6004	234	250	62	88	1,700	19.7	19.7	13.2	11.7
6204	234	238	–	–	1,270	–	–	–	–
6805	132	135	–	–	980	–	–	–	–
6005	405	420	–	–	1,500	–	–	–	–
6205	422	440	–	–	1,100	–	–	–	–

Dimensions [mm]

Inner Ø	Outer Ø	Width	Cage/ball material combination				Part No.
d1	d2	b1	PA/ES	PEEK/ES	PEEK/GL	PEEK/PAI	
20	32	7	●	●	●	–	BB-6804-A500- -
20	42	12	●	●	●	●	BB-6004-A500- -
20	47	14	●	●	●	–	BB-6204-A500- -
25	37	7	●	●	●	–	BB-6805-A500- -
25	47	12	●	●	●	●	BB-6005-A500- -
25	52	15	●	●	●	–	BB-6205-A500- -

 Order example:
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