

DEEP GROOVE BALL BEARINGS · 3-20 MM BORE

Precision bearings for quiet-running machines.

35 production models across the 68, 69, 60, 62 and 63 series, plus thin-section, special-bore and self-aligning variants. Boundary dimensions, closure options and approximate mass are listed for each model.

2001

FOUNDED

28M

BEARINGS / YEAR

35

MODELS

ZV1-ZV4

NOISE GRADES

Dimension overview

d × D × B in mm · mass approx.

68 Series

Thin-section miniature bearings · 6 models

MODEL	TYPE	D	D	B	R MIN	MASS	CLOSURE	PRECISION
683	Deep groove ball bearing	3	7	3	0.1	0.7 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
685	Deep groove ball bearing	5	11	5	0.15	1.7 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
686	Deep groove ball bearing	6	13	5	0.15	2.7 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
687	Deep groove ball bearing	7	14	5	0.15	3.7 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
689	Deep groove ball bearing	9	17	5	0.2	4.8 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6800	Deep groove ball bearing	10	19	5	0.3	7.4 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5

69 Series

Thin-section miniature bearings · 6 models

MODEL	TYPE	D	D	B	R MIN	MASS	CLOSURE	PRECISION
695	Deep groove ball bearing	5	13	4	0.2	2.3 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
696	Deep groove ball bearing	6	15	5	0.2	3.6 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
698	Deep groove ball bearing	8	19	6	0.3	7.5 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
699	Deep groove ball bearing	9	20	6	0.3	8.5 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6900	Deep groove ball bearing	10	22	6	0.3	9.9 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6901	Deep groove ball bearing	12	24	6	0.3	11 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5

60 Series

Extra-light deep groove · 5 models

MODEL	TYPE	D	D	B	R MIN	MASS	CLOSURE	PRECISION
6000	Deep groove ball bearing	10	26	8	0.3	20 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6001	Deep groove ball bearing	12	28	8	0.3	22 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6002	Deep groove ball bearing	15	32	9	0.3	30 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6003	Deep groove ball bearing	17	35	10	0.3	39 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6004	Deep groove ball bearing	20	42	12	0.6	69 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5

62 Series

Light deep groove – motor workhorse · 11 models

MODEL	TYPE	D	D	B	R MIN	MASS	CLOSURE	PRECISION
624	Deep groove ball bearing	4	13	5	0.2	3.2 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
627	Deep groove ball bearing	7	22	7	0.3	13 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6203/8	Custom 8 mm bore deep groove ball bearing	8	40	12	0.6	80 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
628	Deep groove ball bearing	8	24	8	0.3	17 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
629	Deep groove ball bearing	9	26	8	0.3	21 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6200	Deep groove ball bearing	10	30	9	0.6	32 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
62001	Special-boundary deep groove ball bearing	12	28	10	0.3	30 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6201	Deep groove ball bearing	12	32	10	0.6	37 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6202	Deep groove ball bearing	15	35	11	0.6	45 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6202	Ceramic hybrid deep groove ball bearing	15	35	11	0.6	43 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6203	Deep groove ball bearing	17	40	12	0.6	65 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5

63 Series

Medium deep groove · 5 models

MODEL	TYPE	D	D	B	R MIN	MASS	CLOSURE	PRECISION
633	Deep groove ball bearing	3	13	5	0.2	3.5 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
634	Deep groove ball bearing	4	16	5	0.3	5.5 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
635	Deep groove ball bearing	5	19	6	0.3	8.6 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
636	Deep groove ball bearing	6	22	7	0.3	14 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
6302	Deep groove ball bearing	15	42	13	1.0	82 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5

MODEL	TYPE	D	D	B	R MIN	MASS	CLOSURE	PRECISION
1200	Self-aligning ball bearing	10	30	9	0.6	31 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5
16101	Thin-section deep groove ball bearing	12	30	8	0.3	27 g	Open / ZZ / 2RS / 2RZ	P0 / P6 / P5

Dimensions are cross-checked against GB/T 276 and ISO 15 boundary dimensions and the factory's own production tables where supplied. Mass is approximate and depends on closure, cage and grease. Load ratings and limiting speeds are available on request. SGS RoHS test report SHAEC1610052101 was issued in 2016 under the former legal name Cixi Chuangwei Bearing Co., Ltd.; it is a test report, not a certificate. ISO 9001, CE, SASO and PVOC documents are available on request.