



Shaanxi Gainhui Heavy Industries Co., Ltd.
Bearing Manufacturer And Supplier In China

BECAUSE WE ARE FOCUSED WE ARE PROFESSIONAL

We are committed to providing competitive bearing products and OEM services to global customers.



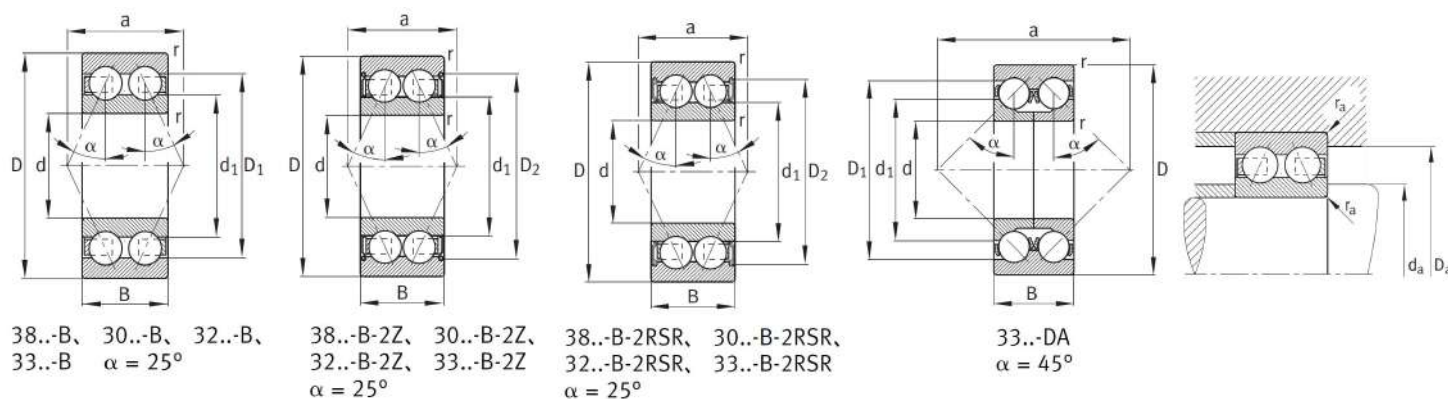
Double Row Angular Contact Ball Bearings



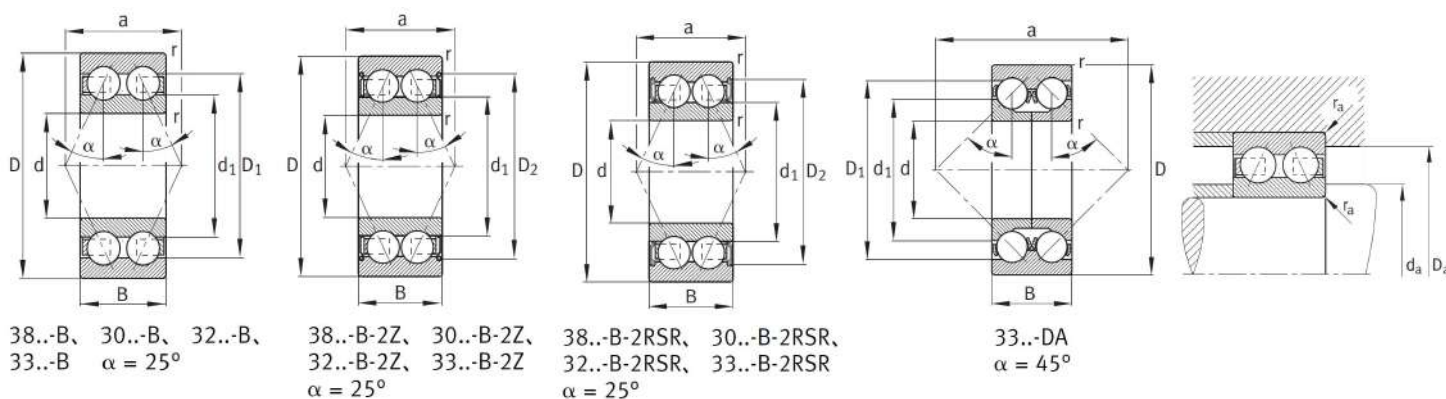
Bearing Series:

38 series, 30 series, 32 series, 33 series

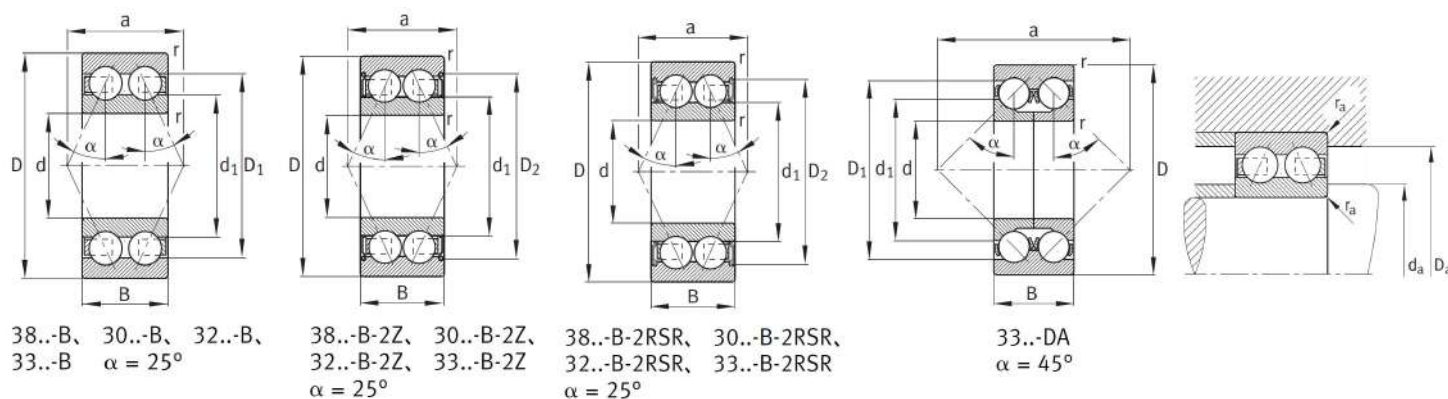




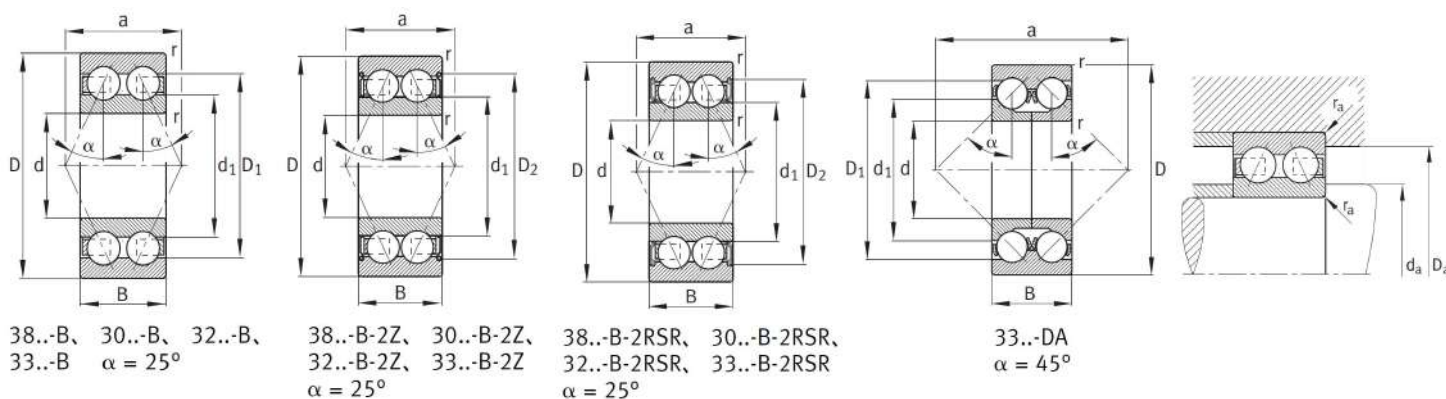
Bearing designation	Dimensions (mm)											Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	a	da	Da	ra	C_r	C_{or}	Cur	nG	nB	m
				min.	≈	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
30/5-B-TVH	5	14	7	0.2	—	—	7.5	6.3	6.4	12.6	0.2	1 810	950	48.5	30 000	32 000	0.008
30/5-B-2Z-TVH	5	14	7	0.2	—	—	7.5	6.3	6.4	12.6	0.2	1 810	950	48.5	24 000	32 000	0.008
30/5-B-2RSR-TVH	5	14	7	0.2	—	—	7.5	6.3	6.4	12.6	0.2	1 810	950	48.5	15 000	—	0.008
30/6-B-TVH	6	17	9	0.3	—	—	8.3	8.8	8	15	0.3	3 100	1 420	72	28 000	32 000	0.01
30/6-B-2Z-TVH	6	17	9	0.3	—	—	8.3	8.8	8	15	0.3	3 100	1 420	72	22 000	32 000	0.01
30/6-B-2RSR-TVH	6	17	9	0.3	—	—	8.3	8.8	8	15	0.3	3 100	1 420	72	15 000	—	0.01
30/7-B-TVH	7	19	10	0.3	—	—	9	10	9	17	0.3	3 650	1 700	86	26 000	31 500	0.012
30/7-B-2Z-TVH	7	19	10	0.3	—	—	9	10	9	17	0.3	3 650	1 700	86	20 000	31 500	0.012
30/7-B-2RSR-TVH	7	19	10	0.3	—	—	9	10	9	17	0.3	3 650	1 700	86	15 000	—	0.012
30/8-B-TVH	8	22	11	0.3	—	—	10.5	10.7	10	20	0.3	5 200	2 650	133	26 000	26 000	0.02
30/8-B-2Z-TVH	8	22	11	0.3	—	—	10.5	10.7	10	20	0.3	5 200	2 650	133	19 000	26 000	0.02
30/8-B-2RSR-TVH	8	22	11	0.3	—	—	10.5	10.7	10	20	0.3	5 200	2 650	133	14 000	—	0.02
3800-B-TVH	10	19	7	0.3	—	—	13	8.1	12	17	0.3	2 120	1 400	71	26 000	21 100	0.008
3800-B-2Z-TVH	10	19	7	0.3	—	—	13	8.1	12	17	0.3	2 120	1 400	71	18 000	21 100	0.008
3800-B-2RSR-TVH	10	19	7	0.3	—	—	13	8.1	12	17	0.3	2 120	1 400	71	16 000	—	0.008
3000-B-TVH	10	26	12	0.3	—	—	13.5	12.3	12	24	0.3	5 700	3 250	164	24 000	22 100	0.022
3000-B-2Z-TVH	10	26	12	0.3	—	—	13.5	12.3	12	24	0.3	5 700	3 250	164	17 000	22 100	0.022
3000-B-2RSR-TVH	10	26	12	0.3	—	—	13.5	12.3	12	24	0.3	5 700	3 250	164	14 000	—	0.022
3200-B-TVH	10	30	14	0.6	23.9	—	17.9	15	14.2	25.8	0.6	7 800	4 550	223	22 000	19 300	0.05
3200-B-2Z-TVH	10	30	14	0.6	—	25.3	17.9	15	14.2	25.8	0.6	7 800	4 550	223	16 000	19 300	0.051
3801-B-TVH	12	21	7	0.3	—	—	15	8.9	14	19	0.3	2 190	1 550	79	24 000	18 100	0.008
3801-B-2Z-TVH	12	21	7	0.3	—	—	15	8.9	14	19	0.3	2 190	1 550	79	17 000	18 100	0.008
3801-B-2RSR-TVH	12	21	7	0.3	—	—	15	8.9	14	19	0.3	2 190	1 550	79	15 000	—	0.008
3001-B-TVH	12	28	12	0.3	—	—	15.5	13	14	26	0.3	6 200	3 750	191	22 000	19 400	0.025
3001-B-2Z-TVH	12	28	12	0.3	—	—	15.5	13	14	26	0.3	6 200	3 750	191	16 000	19 400	0.025
3001-B-2RSR-TVH	12	28	12	0.3	—	—	15.5	13	14	26	0.3	6 200	3 750	191	13 000	—	0.025
3201-B-TVH	12	32	15.9	0.6	25.7	—	18.3	17	16.2	27.8	0.6	10 600	5 850	295	20 000	20 000	0.051
3201-B-2Z-TVH	12	32	15.9	0.6	—	28.1	18.3	17	16.2	27.8	0.6	10 600	5 850	295	15 000	20 000	0.053
3802-B-TVH	15	24	7	0.3	—	—	18	10.1	17	22	0.3	2 430	1 960	99	22 000	14 800	0.009
3802-B-2Z-TVH	15	24	7	0.3	—	—	18	10.1	17	22	0.3	2 430	1 960	99	16 000	14 800	0.009



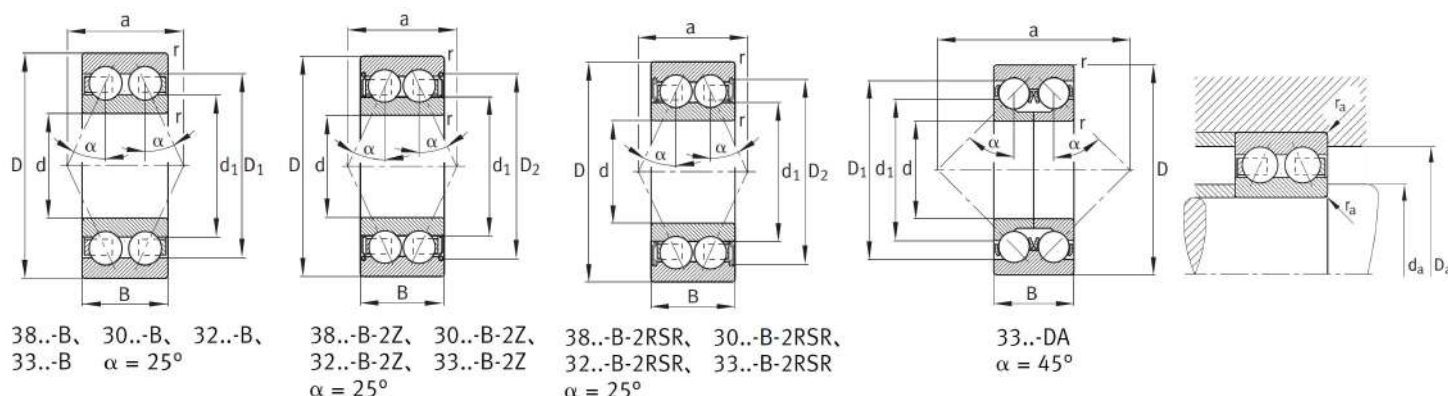
Bearing designation	Dimensions (mm)											Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	a	da	Da	ra	C_r	C_{or}	Cur	nG	nB	m
				min.	≈	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
3802-B-2RSR-TVH	15	24	7	0.3	—	—	18	10.1	17	22	0.3	2 430	1960	99	14 000	—	0.009
3002-B-TVH	15	32	13	0.3	—	—	20.4	14.8	17	30	0.3	8 600	5400	275	20 000	15 800	0.036
3002-B-2Z-TVH	15	32	13	0.3	—	—	20.4	14.8	17	30	0.3	8 600	5400	275	15 000	15 800	0.036
3002-B-2RSR-TVH	15	32	13	0.3	—	—	20.4	14.8	17	30	0.3	8 600	5400	275	12 000	—	0.036
3202-B-TVH	15	35	15.9	0.6	28.8	—	21.1	18	19.2	30.8	0.6	11 800	7100	360	19 000	17 100	0.065
3202-B-2Z-TVH	15	35	15.9	0.6	—	30.9	21.1	18	19.2	30.8	0.6	11 800	7100	360	14 000	17 100	0.067
3202-B-2RSR-TVH	15	35	15.9	0.6	—	30.9	21.1	18	19.2	30.8	0.6	11 800	7100	360	12 000	—	0.067
3302-B-TVH	15	42	19	1	34.5	—	25.6	21	20.6	36.4	1	16 300	10 000	460	16 000	11 000	0.124
3803-B-TVH	17	26	7	0.3	—	—	20	10.9	19	24	0.3	2 480	2080	107	19 000	13 200	0.015
3803-B-2Z-TVH	17	26	7	0.3	—	—	20	10.9	19	24	0.3	2 480	2080	107	14 000	13 200	0.015
3803-B-2RSR-TVH	17	26	7	0.3	—	—	20	10.9	19	24	0.3	2 480	2080	107	12 000	—	0.015
3003-B-TVH	17	35	14	0.3	—	—	21.6	15.5	19	33	0.3	9 200	6200	315	18 000	15 400	0.042
3003-B-2Z-TVH	17	35	14	0.3	—	—	21.6	15.5	19	33	0.3	9 200	6200	315	13 000	15 400	0.042
3003-B-2RSR-TVH	17	35	14	0.3	—	—	21.6	15.5	19	33	0.3	9 200	6200	315	11 000	—	0.042
3203-B-TVH	17	40	17.5	0.6	33.1	—	24	20	21.2	35.8	0.6	14 600	9000	420	17 000	15 500	0.093
3203-B-2Z-TVH	17	40	17.5	0.6	—	35.1	24	20	21.2	35.8	0.6	14 600	9000	420	12 000	15 500	0.095
3203-B-2RSR-TVH	17	40	17.5	0.6	—	35.1	24	20	21.2	35.8	0.6	14 600	9000	420	10 000	—	0.095
3303-B-TVH	17	47	22.2	1	37.7	—	26.2	24	22.6	41.4	1	20 800	12 500	570	15 000	11 500	0.177
3804-B-TVH	20	32	10	0.3	—	—	24.3	14.3	22	30	0.3	5 800	4850	245	17 000	11 900	0.02
3804-B-2Z-TVH	20	32	10	0.3	—	—	24.3	14.3	22	30	0.3	5 800	4850	245	12 000	11 900	0.02
3804-B-2RSR-TVH	20	32	10	0.3	—	—	24.3	14.3	22	30	0.3	5 800	4850	245	10 000	—	0.02
3004-B-TVH	20	42	16	0.6	—	—	25.2	19.1	23.2	38.8	0.6	14 500	9600	485	16 000	13 300	0.08
3004-B-2Z-TVH	20	42	16	0.6	—	—	25.2	19.1	23.2	38.8	0.6	14 500	9600	485	11 000	13 300	0.08
3004-B-2RSR-TVH	20	42	16	0.6	—	—	25.2	19.1	23.2	38.8	0.6	14 500	9600	485	9 000	—	0.08
3204-B-TVH	20	47	20.6	1	38.7	—	28.9	24	25.6	41.4	1	19 600	12 500	610	15 000	13 600	0.154
3204-B-2Z-TVH	20	47	20.6	1	—	41.1	28.9	24	25.6	41.4	1	19 600	12 500	610	10 000	13 600	0.16
3204-B-2RSR-TVH	20	47	20.6	1	—	41.1	28.9	24	25.6	41.4	1	19 600	12 500	610	8 500	—	0.158
3304-B-TVH	20	52	22.2	1.1	42.7	—	31.2	26	27	45	1	23 200	15 000	690	13 000	9 500	0.217
3304-B-2Z-TVH	20	52	22.2	1.1	—	44.3	31.2	26	27	45	1	23 200	15 000	690	9 000	9 500	0.222
3304-B-2RSR-TVH	20	52	22.2	1.1	—	44.3	31.2	26	27	45	1	23 200	15 000	690	8 000	—	0.221



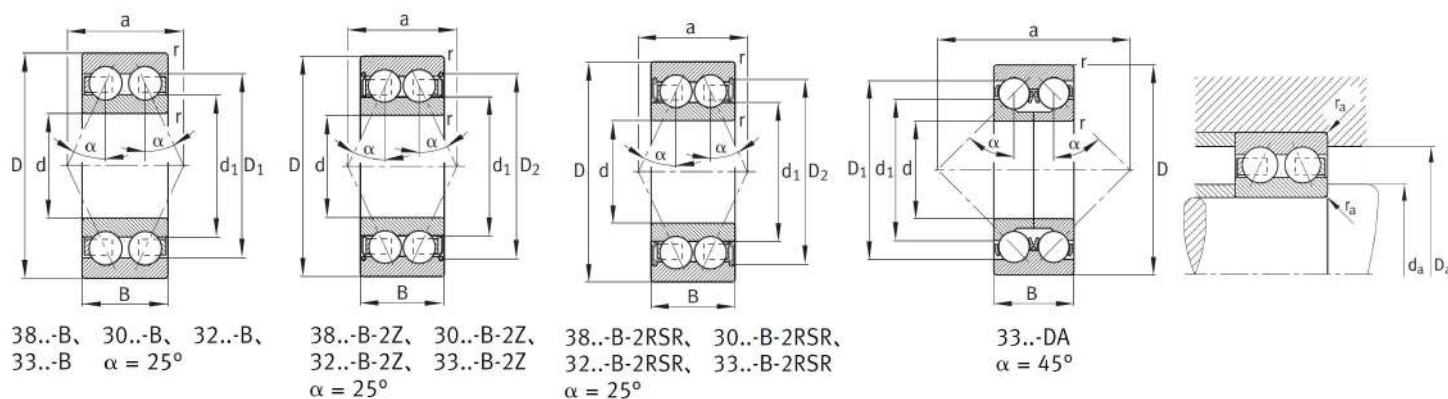
Bearing designation	Dimensions (mm)											Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	a	da	Da	ra	C_r	C_{or}	Cur	nG	nB	m
				min.	≈	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
3805-B-TVH	25	37	10	0.3	—	—	28.3	15.9	27	35	0.3	6 000	5600	280	14 000	10 300	0.025
3805-B-2Z-TVH	25	37	10	0.3	—	—	28.3	15.9	27	35	0.3	6 000	5600	280	9 500	10 300	0.025
3805-B-2RSR-TVH	25	37	10	0.3	—	—	28.3	15.9	27	35	0.3	6 000	5600	280	8 500	—	0.025
3005-B-TVH	25	47	16	0.6	—	—	29.8	21.2	28.2	43.8	0.6	15 500	11 100	560	13 000	11 200	0.1
3005-B-2Z-TVH	25	47	16	0.6	—	—	29.8	21.2	28.2	43.8	0.6	15 500	11 100	560	9 000	11 200	0.1
3005-B-2RSR-TVH	25	47	16	0.6	—	—	29.8	21.2	28.2	43.8	0.6	15 500	11 100	560	8 000	—	0.1
3205-B-TVH	25	52	20.6	1	43.7	—	33.9	26	30.6	46.4	1	21 200	14 600	710	12 000	11 600	0.178
3205-B-2Z-TVH	25	52	20.6	1	—	46.1	33.9	26	30.6	46.4	1	21 200	14 600	710	8 500	11 600	0.182
3205-B-2RSR-TVH	25	52	20.6	1	—	46.1	33.9	26	30.6	46.4	1	21 200	14 600	710	7 500	—	0.182
3305-B-TVH	25	62	25.4	1.1	50	—	37.2	31	32	55	1	30 000	20 000	900	10 000	8 600	0.353
3305-B-2Z-TVH	25	62	25.4	1.1	—	53.1	37.2	31	32	55	1	30 000	20 000	900	7 500	8 600	0.359
3305-B-2RSR-TVH	25	62	25.4	1.1	—	53.1	37.2	31	32	55	1	30 000	20 000	900	6 700	—	0.359
3305-DA-TVP	25	62	25.4	1.1	51.8	—	47.5	56	32	55	1	30 000	23 200	1 270	10 000	8 400	0.341
3806-B-TVH	30	42	10	0.3	—	—	32.8	18.1	32	40	0.3	6 300	6100	320	11 000	8 700	0.03
3806-B-2Z-TVH	30	42	10	0.3	—	—	32.8	18.1	32	40	0.3	6 300	6100	320	8 000	8 700	0.03
3806-B-2RSR-TVH	30	42	10	0.3	—	—	32.8	18.1	32	40	0.3	6 300	6100	320	7 000	—	0.03
3006-B-TVH	30	55	19	1	—	—	35.6	24.8	34.6	50.4	1	20 300	15 600	790	10 000	10 200	0.16
3006-B-2Z-TVH	30	55	19	1	—	—	35.6	24.8	34.6	50.4	1	20 300	15 600	790	7 500	10 200	0.16
3006-B-2RSR-TVH	30	55	19	1	—	—	35.6	24.8	34.6	50.4	1	20 300	15 600	790	6 700	—	0.16
3206-B-TVH	30	62	23.8	1	52.1	—	40	31	35.6	56.4	1	30 000	21 200	980	9 500	10 400	0.289
3206-B-2Z-TVH	30	62	23.8	1	—	55.7	40	31	35.6	56.4	1	30 000	21 200	980	7 000	10 400	0.295
3206-B-2RSR-TVH	30	62	23.8	1	—	55.7	40	31	35.6	56.4	1	30 000	21 200	980	6 300	—	0.296
3306-B-TVH	30	72	30.2	1.1	58.9	—	44	36	37	65	1	41 500	28 500	1 310	8 500	7 800	0.548
3306-B-2Z-TVH	30	72	30.2	1.1	—	62.5	44	36	37	65	1	41 500	28 500	1 310	6 300	7 800	0.558
3306-B-2RSR-TVH	30	72	30.2	1.1	—	62.5	44	36	37	65	1	41 500	28 500	1 310	5 600	—	0.558
3306-DA	30	72	30.2	1.1	61.5	—	55.2	67	37	65	1	41 500	34 500	2 070	8 500	7 500	0.657
3807-B-TVH	35	47	10	0.3	—	—	38.5	20	37	45	0.3	6 700	7000	370	9 500	7 400	0.035
3807-B-2Z-TVH	35	47	10	0.3	—	—	38.5	20	37	45	0.3	6 700	7000	370	7 000	7 400	0.035
3807-B-2RSR-TVH	35	47	10	0.3	—	—	38.5	20	37	45	0.3	6 700	7000	370	6 000	—	0.035
3007-B-TVH	35	62	20	1	—	—	41.7	27.8	39.6	57.4	1	24 500	19 400	980	9 000	8 800	0.2



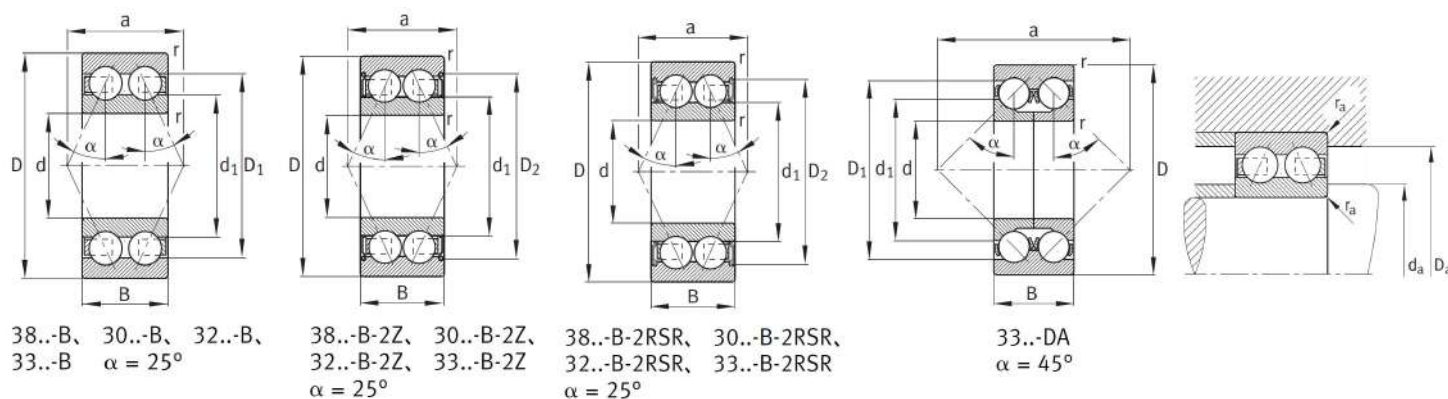
Bearing designation	Dimensions (mm)											Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	a	da	Da	ra	C_r	C_{or}	Cur	nG	nB	m
				min.	≈	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
3007-B-2Z-TVH	35	62	20	1	—	—	41.7	27.8	39.6	57.4	1	24 500	19 400	980	6 700	8 800	0.2
3007-B-2RSR-TVH	35	62	20	1	—	—	41.7	27.8	39.6	57.4	1	24 500	19 400	980	5 600	—	0.2
3207-B-TVH	35	72	27	1.1	60.6	—	47.2	36	42	65	1	39 000	28 500	1370	8 500	9 200	0.446
3207-B-2Z-TVH	35	72	27	1.1	—	64.2	47.2	36	42	65	1	39 000	28 500	1 370	6 300	9 200	0.454
3207-B-2RSR-TVH	35	72	27	1.1	—	64.2	47.2	36	42	65	1	39 000	28 500	1 370	5 300	—	0.454
3307-B-TVH	35	80	34.9	1.5	65.5	—	49.3	41	44	71	1.5	51 000	34 500	1 650	7 500	7 400	0.657
3307-B-2Z-TVH	35	80	34.9	1.5	—	68.5	49.3	41	44	71	1.5	51 000	34 500	1 650	5 600	7 400	0.667
3307-B-2RSR-TVH	35	80	34.9	1.5	—	68.5	49.3	41	44	71	1.5	51 000	34 500	1 650	5 000	—	0.739
3307-DA	35	80	34.9	1.5	69.6	—	62	75	44	71	1.5	50 000	41 500	2 480	7 500	7 100	0.889
3808-B-TVH	40	52	10	0.3	—	—	43.4	22.4	42	50	0.3	7 000	7800	425	8 500	6 400	0.04
3808-B-2Z-TVH	40	52	10	0.3	—	—	43.4	22.4	42	50	0.3	7 000	7800	425	6 300	6 400	0.04
3808-B-2RSR-TVH	40	52	10	0.3	—	—	43.4	22.4	42	50	0.3	7 000	7800	425	5 300	—	0.04
3008-B-TVH	40	68	21	1	—	—	46.7	30.8	44.6	63.4	1	25 500	21 700	1 100	8 000	8 000	0.25
3008-B-2Z-TVH	40	68	21	1	—	—	46.7	30.8	44.6	63.4	1	25 500	21 700	1 100	6 000	8 000	0.25
3008-B-2RSR-TVH	40	68	21	1	—	—	46.7	30.8	44.6	63.4	1	25 500	21 700	1 100	5 000	—	0.25
3208-B-TVH	40	80	30.2	1.1	67.9	—	53	41	47	73	1	48 000	36 500	1 840	7 500	8 500	0.594
3208-B-2Z-TVH	40	80	30.2	1.1	—	71.3	53	41	47	73	1	48 000	36 500	1 840	5 600	8 500	0.604
3208-B-2RSR-TVH	40	80	30.2	1.1	—	71.3	53	41	47	73	1	48 000	36 500	1 840	4 800	—	0.605
3308-B-TVH	40	90	36.5	1.5	74.6	—	55.6	46	49	81	1.5	62 000	45 000	2 500	6 700	6 400	0.984
3308-B-2Z-TVH	40	90	36.5	1.5	—	77.4	55.6	46	49	81	1.5	62 000	45 000	2 500	5 000	6 400	0.998
3308-B-2RSR-TVH	40	90	36.5	1.5	—	77.4	55.6	46	49	81	1.5	62 000	45 000	2 500	4 500	—	0.998
3308-DA-MA	40	90	36.5	1.5	79.4	—	72.5	85	49	81	1.5	62 000	53 000	3150	6 300	6 000	1.19
3809-B-TVH	45	58	10	0.3	—	—	48.6	24.2	47	56	0.3	7200	8300	465	7 500	5 700	0.053
3809-B-2Z-TVH	45	58	10	0.3	—	—	48.6	24.2	47	56	0.3	7200	8300	465	5 600	5 700	0.053
3809-B-2RSR-TVH	45	58	10	0.3	—	—	48.6	24.2	47	56	0.3	7200	8300	465	5 000	—	0.053
3209-B-TVH	45	85	30.2	1.1	72.9	—	57.2	43	52	78	1	48 000	37 500	1 800	6 700	7 800	0.628
3209-B-2Z-TVH	45	85	30.2	1.1	—	75.5	57.2	43	52	78	1	48 000	37 500	1 800	5 000	7 800	0.64
3209-B-2RSR-TVH	45	85	30.2	1.1	—	75.5	57.2	43	52	78	1	48 000	37 500	1 800	4 500	—	0.64
3309-B-TVH	45	100	39.7	1.5	81.5	—	62.3	50	54	91	1.5	68 000	51 000	2 750	6 000	6 100	1.34
3309-B-2Z-TVH	45	100	39.7	1.5	—	86.5	62	50	54	91	1.5	68 000	51 000	2 750	4 500	6 100	1.36



Bearing designation	Dimensions (mm)											Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	a	da	Da	ra	C_r	C_{or}	Cur	nG	nB	m
				min.	≈	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
3309-B-2RSR-TVH	45	100	39.7	1.5	—	86.5	62	50	54	91	1.5	68 000	51 000	2 750	4 000	—	1.36
3309-DA	45	100	39.7	1.5	86.7	—	78.6	93	54	91	1.5	75 000	64 000	3 400	6 000	5 800	1.55
3810-B-TVH	50	65	12	0.3	—	—	55.1	27.1	52	63	0.3	8700	10 400	580	7 000	5 400	0.07
3810-B-2Z-TVH	50	65	12	0.3	—	—	55.1	27.1	52	63	0.3	8700	10 400	580	5 300	5 400	0.07
3810-B-2RSR-TVH	50	65	12	0.3	—	—	55.1	27.1	52	63	0.3	8700	10 400	580	4 500	—	0.07
3210-B-TVH	50	90	30.2	1.1	77.9	—	62	45	57	83	1	51 000	42 500	2 120	6 300	7 100	0.68
3210-B-2Z-TVH	50	90	30.2	1.1	—	80.9	62	45	57	83	1	51 000	42 500	2 120	4 800	7 100	0.692
3210-B-2RSR-TVH	50	90	30.2	1.1	—	80.9	62	45	57	83	1	51 000	42 500	2 120	4 000	—	0.693
3310-B-TVH	50	110	44.4	2	89.5	—	68.3	55	61	99	2	81 500	62 000	3 450	5 300	5 800	1.8
3310-B-2Z-TVH	50	110	44.4	2	—	96	64	55	61	99	2	81 500	62 000	3 450	4 000	5 800	1.82
3310-B-2RSR-TVH	50	110	44.4	2	—	96	64	55	61	99	2	81 500	62 000	3 450	3 600	—	1.82
3310-DA-MA	50	110	44.4	2	96.9	—	87.6	104	61	99	2	90 000	85 000	5 200	5 300	5 300	2.24
3811-B-TVH	55	72	13	0.3	—	—	61.9	30.7	57	70	0.3	12 100	15 700	880	6 300	5 100	0.09
3811-B-2Z-TVH	55	72	13	0.3	—	—	61.9	30.7	57	70	0.3	12 100	15 700	880	4 500	5 100	0.09
3811-B-2RSR-TVH	55	72	13	0.3	—	—	61.9	30.7	57	70	0.3	12 100	15 700	880	4 300	—	0.09
3211-B-TVH	55	100	33.3	1.5	85.3	—	69	50	64	91	1.5	58 500	49 000	2 390	5 600	6 800	0.954
3211-B-2Z-TVH	55	100	33.3	1.5	—	89.1	68.7	50	64	91	1.5	58 500	49 000	2 390	4 300	6 800	0.969
3211-B-2RSR-TVH	55	100	33.3	1.5	—	89.1	68.7	50	64	91	1.5	58 500	49 000	2 390	3 800	—	0.969
3311-B-TVH	55	120	49.2	2	98.4	—	75.2	61	66	109	2	102 000	78 000	4 250	5 000	5 400	2.32
3311-B-2Z-TVH	55	120	49.2	2	—	105.2	75.2	61	66	109	2	102 000	78 000	4 250	3 800	5 400	2.36
3311-B-2RSR-TVH	55	120	49.2	2	—	105.2	75.2	61	66	109	2	102 000	78 000	4 250	3 400	—	2.35
3311-DA-MA	55	120	49.2	2	105.3	—	94.6	111	66	109	2	110 000	100 000	5 400	5 000	5 200	2.85
3812-B-TVH	60	78	14	0.3	—	—	65.9	33.2	62	76	0.3	14 500	17 500	960	5 600	4 700	0.14
3812-B-2Z-TVH	60	78	14	0.3	—	—	65.9	33.2	62	76	0.3	14 500	17 500	960	4 300	4 700	0.14
3812-B-2RSR-TVH	60	78	14	0.3	—	—	65.9	33.2	62	76	0.3	14 500	17 500	960	3 800	—	0.14
3212-B-TVH	60	110	36.5	1.5	94.5	—	75.8	55	69	101	1.5	72 000	61 000	3 450	5 000	6 200	1.27
3212-B-2Z-TVH	60	110	36.5	1.5	—	98.6	75.8	55	69	101	1.5	72 000	61 000	3 450	3 800	6 200	1.29
3212-B-2RSR-TVH	60	110	36.5	1.5	—	98.6	75.8	55	69	101	1.5	72 000	61 000	3 450	3 400	—	1.29
3312-B-TVH	60	130	54	2.1	108.7	—	81.6	67	72	118	2.1	125 000	98 000	5 400	4 500	5 100	2.92
3312-B-2RSR-TVH	60	130	54	2.1	—	113.1	81.6	67	72	118	2.1	125 000	98 000	5 400	3 000	—	2.92



Bearing designation	Dimensions (mm)											Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	a	da	Da	ra	C_r	C_{or}	Cur	nG	nB	m
				min.	≈	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
3312-DA	60	130	54	2.1	115.8	—	101.7	122	72	118	2.1	127 000	118 000	6 500	4 500	4 850	3.39
3813-B-TVH	65	85	15	0.6	—	—	71.2	36.2	68.2	81.8	0.6	17 700	21 400	1 120	5 000	4 500	0.16
3813-B-2Z-TVH	65	85	15	0.6	—	—	71.2	36.2	68.2	81.8	0.6	17 700	21 400	1 120	4 000	4 500	0.16
3813-B-2RSR-TVH	65	85	15	0.6	—	—	71.2	36.2	68.2	81.8	0.6	17 700	21 400	1 120	3 600	—	0.16
3213-B-TVH	65	120	38.1	1.5	103.9	—	84.8	60	74	111	1.5	80 000	73 500	3 700	4 500	5 600	1.64
3213-B-2RSR-TVH	65	120	38.1	1.5	—	107.2	84.5	60	74	111	1.5	80 000	73 500	3 700	3 000	—	1.66
3313-B-TVH	65	140	58.7	2.1	117.6	—	88.6	71	77	128	2.1	143 000	112 000	6 100	4 300	4 850	3.63
3313-DA	65	140	58.7	2.1	124.3	—	110.2	131	77	128	2.1	143 000	137 000	7 200	4 300	4 650	4.38
3814-B-TVH	70	90	15	0.6	—	—	76.5	38.5	73.2	86.8	0.6	19 200	23 800	1 300	5 000	4 100	0.19
3814-B-2Z-TVH	70	90	15	0.6	—	—	76.5	38.5	73.2	86.8	0.6	19 200	23 800	1 300	3 800	4 100	0.19
3814-B-2RSR-TVH	70	90	15	0.6	—	—	76.5	38.5	73.2	86.8	0.6	19 200	23 800	1 300	3 400	—	0.19
3214-B-TVH	70	125	39.7	1.5	106.3	—	87	62	79	116	1.5	83 000	76 500	4 000	4 500	5 600	1.8
3214-B-2RSR-TVH	70	125	39.7	1.5	—	111.6	86.8	62	79	116	1.5	83 000	76 500	4 000	3 400	—	1.83
3314	70	150	63.5	2.1	131.9	—	98.5	109	82	138	2.1	143 000	166 000	8 500	4 000	4 500	5.03
3314-DA	70	150	63.5	2.1	132.4	—	118.2	141	82	138	2.1	163 000	156 000	8 200	4 000	4 550	5.36
3815-B-TVH	75	95	15	0.6	—	—	81.2	40.4	78.2	91.8	0.6	19 400	24 400	1 370	4 800	3 950	0.21
3815-B-2Z-TVH	75	95	15	0.6	—	—	81.2	40.4	78.2	91.8	0.6	19 400	24 400	1 370	3 600	3 950	0.21
3815-B-2RSR-TVH	75	95	15	0.6	—	—	81.2	40.4	78.2	91.8	0.6	19 400	24 400	1 370	3 200	—	0.21
3215-B-TVH	75	130	41.3	1.5	112.6	—	92.4	65	84	121	1.5	91 500	85 000	4 250	4 300	5 300	1.91
3215-B-2RSR-TVH	75	130	41.3	1.5	—	116.4	92.1	65	84	121	1.5	91 500	85 000	4 250	2 800	—	1.94
3315	75	160	68.3	2.1	141.2	—	105.5	117	87	148	2.1	163 000	193 000	9 700	3 800	4 350	6.07
3816-B-TVH	80	100	15	0.6	—	—	85.5	42.2	83.2	96.8	0.6	19 600	25 500	1420	4 500	3 650	0.23
3816-B-2Z-TVH	80	100	15	0.6	—	—	85.5	42.2	83.2	96.8	0.6	19 600	25 500	1420	3 400	3 650	0.23
3816-B-2RSR-TVH	80	100	15	0.6	—	—	85.5	42.2	83.2	96.8	0.6	19 600	25 500	1420	3 000	—	0.23
3216-B-TVH	80	140	44.4	2	120.3	—	98.5	69	91	129	2	98 000	93 000	4950	4 000	5 200	2.45
3216-B-2Z-TVH	80	140	44.4	2	—	125.4	98.5	69	91	129	2	98 000	93 000	4950	3 000	5 200	2.48
3316	80	170	68.3	2.1	149.7	—	111.8	123	92	158	2.1	176 000	212 000	10 300	3 600	3 950	7.26
3217	85	150	49.2	2	135.1	—	108.5	106	96	139	2	112 000	150 000	7200	3 800	4 750	3.44
3317-M	85	180	73	3	160	—	119.6	131	99	166	2.5	190 000	228 000	11 100	3 400	3 750	8.78
3218	90	160	52.4	2	143.7	—	115.6	113	104	146	2	125 000	170 000	7800	3 600	4 550	4.22



Bearing designation	Dimensions (mm)											Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed	Mass
	d	D	B	r	D1	D2	d1	a	da	Da	ra	C_r	C_{or}	Cur	nG	nB	m
				min.	≈	≈	≈	≈	min.	max.	max.	N	N	N	min-1	min-1	≈kg
3318	90	190	73	3	168.2	—	126.1	136	104	176	2.5	216 000	275 000	12 600	3 200	3 400	9.23
3219-M	95	170	55.6	2.1	152.8	—	122.2	120	107	158	2.1	140 000	186 000	8500	3 400	4 400	5.31
3319-M	95	200	77.8	3	177.3	—	133	143	109	186	2.5	220 000	285 000	13 100	3 200	3 250	11.4
3220	100	180	60.3	2.1	163.7	—	131	127	112	168	2.1	160 000	224 000	10 000	3 200	4 200	6.19
3320-M	100	215	82.6	3	188.7	—	142.5	153	114	201	2.5	236 000	320 000	13 700	3 000	3 000	14.6
3221-M	105	190	65.1	2.1	172.9	—	138	135	117	178	2.1	180 000	245 000	11 100	3 200	4 000	7.78
3222-M	110	200	69.8	2.1	180.1	—	143.3	144	122	188	2.1	204 000	280 000	11 900	3 000	3 800	9.23
3322-M	110	240	92.1	3	209.6	—	161.5	171	124	226	2.5	270 000	390 000	16 300	2 600	2 700	20



Shaanxi Gainhui Heavy Industries Co., Ltd.
Bearing Manufacturer And Supplier In China

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We are committed to providing competitive bearing products and OEM services to global customers.



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The company adopts advanced production equipment and testing equipment, is equipped with a professional quality testing department, formulates a complete quality management system, and specializes in the production of high-precision, low-noise, and long-life bearings. Shaanxi Gainhui Heavy Industries Co., Ltd. insists on quality as the core, innovation as the driving force, promotes development through service, and sincerely provides services to customers all over the world.



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