



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.



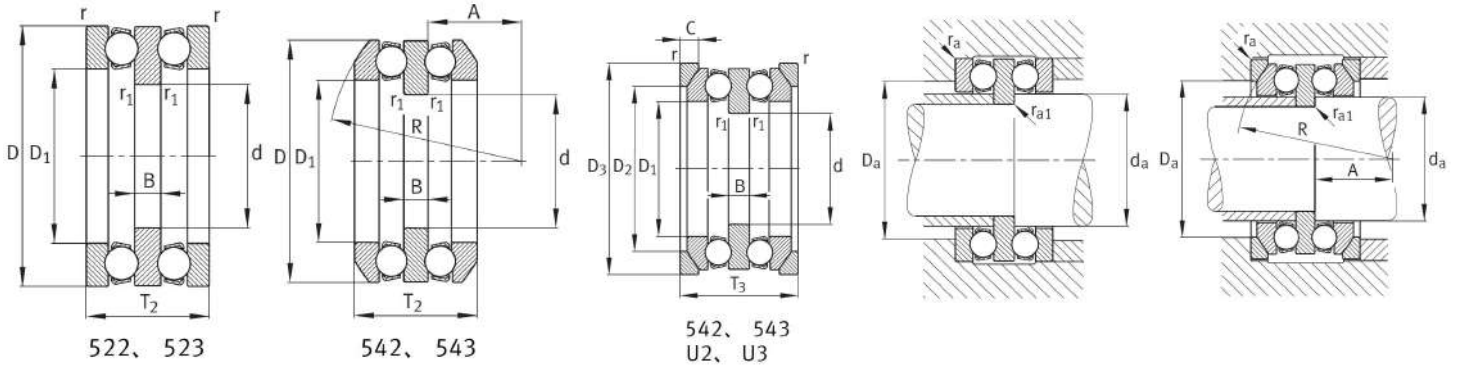
Double Direction Thrust Ball Bearings



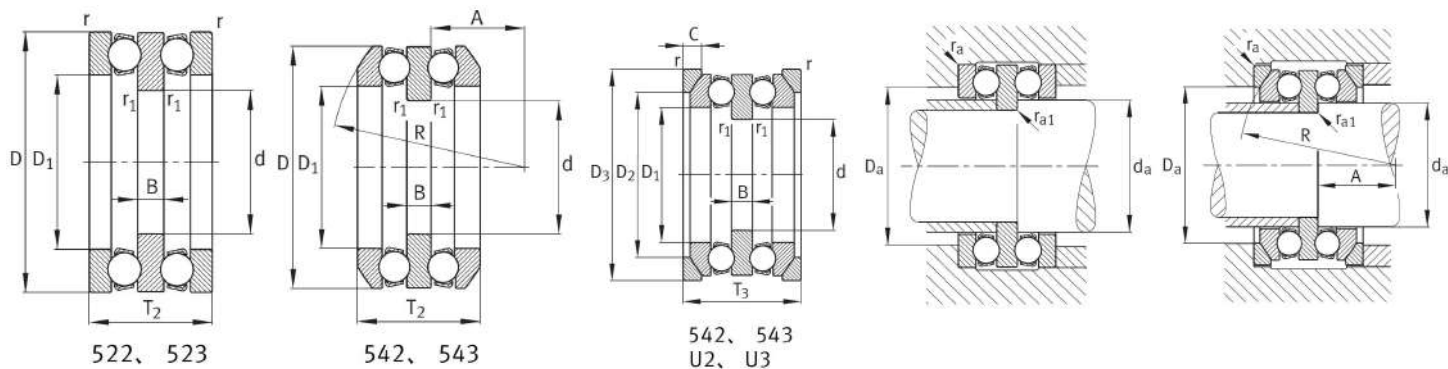
Bearing Series:

**522 series, 523 series, 542 series,
543 series, 542 + U2 series, 543+ U3 series**

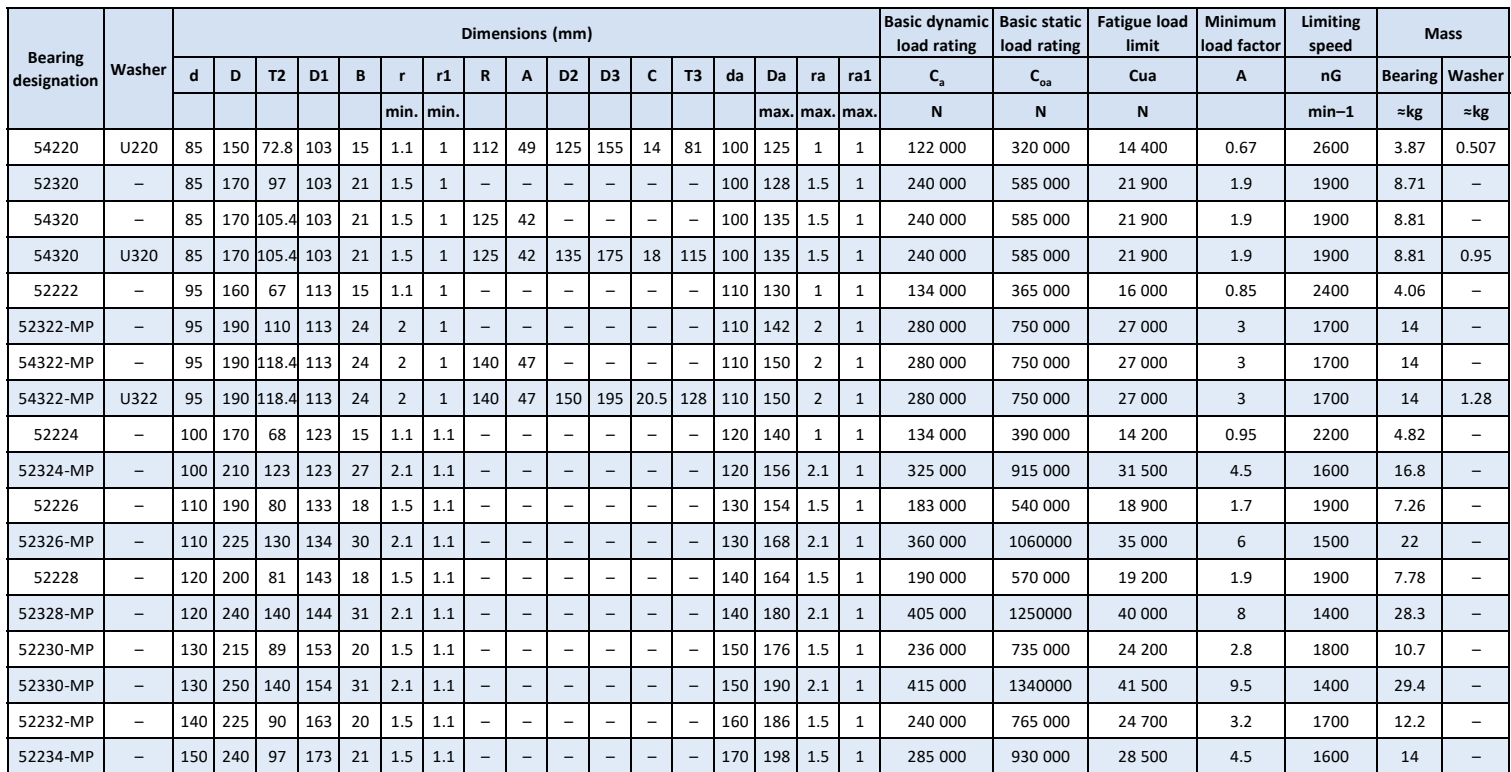




Bearing designation	Washer	Dimensions (mm)																	Basic dynamic load rating	Basic static load rating	Fatigue load limit	Minimum load factor	Limiting speed	Mass	
		d	D	T2	D1	B	r	r1	R	A	D2	D3	C	T3	da	Da	ra	ra1	C _a	C _{oa}	C _{ua}	A	nG	Bearing	Washer
							min.	min.								max.	max.	max.	N	N	N		min-1	≈kg	≈kg
52202	—	10	32	22	17	5	0.6	0.3	—	—	—	—	—	—	15	22	0.6	0.3	16 600	25 000	1100	0.003	9000	0.076	—
52204	—	15	40	26	22	6	0.6	0.3	—	—	—	—	—	—	20	28	0.6	0.3	22 400	37 500	1660	0.01	7500	0.145	—
52205	—	20	47	28	27	7	0.6	0.3	—	—	—	—	—	—	25	34	0.6	0.3	28 000	50 000	2220	0.013	6700	0.215	—
54205	—	20	47	31.4	27	7	0.6	0.3	40	16.5	—	—	—	—	25	36	0.6	0.3	28 000	50 000	2220	0.013	6700	0.221	—
54205	U205	20	47	31.4	27	7	0.6	0.3	40	16.5	36	50	5.5	36	25	36	0.6	0.3	28 000	50 000	2220	0.013	6700	0.221	0.032
52305	—	20	52	34	27	8	1	0.3	—	—	—	—	—	—	25	36	1	0.3	34 500	55 000	2450	0.019	5300	0.291	—
54305	—	20	52	37.6	27	8	1	0.3	45	18	—	—	—	—	25	38	1	0.3	34 500	55 000	2450	0.019	5300	0.303	—
54305	U305	20	52	37.6	27	8	1	0.3	45	18	38	55	6	42	25	38	1	0.3	34 500	55 000	2450	0.019	5300	0.303	0.044
52206	—	25	52	29	32	7	0.6	0.3	—	—	—	—	—	—	30	39	0.6	0.3	25 000	46 500	2040	0.01	6300	0.236	—
54206	—	25	52	32.6	32	7	0.6	0.3	45	20	—	—	—	—	30	42	0.6	0.3	25 000	46 500	2040	0.01	6300	0.269	—
54206	U206	25	52	32.6	32	7	0.6	0.3	45	20	42	55	5.5	37	30	42	0.6	0.3	25 000	46 500	2040	0.01	6300	0.269	0.038
52306	—	25	60	38	32	9	1	0.3	—	—	—	—	—	—	30	42	1	0.3	38 000	65 500	2850	0.028	5000	0.435	—
54306	—	25	60	41.2	32	9	1	0.3	50	19.5	—	—	—	—	30	45	1	0.3	38 000	65 500	2850	0.028	5000	0.553	—
54306	U306	25	60	41.2	32	9	1	0.3	50	19.5	45	62	7	46	30	45	1	0.3	38 000	65 500	2850	0.028	5000	0.553	0.056
52207	—	30	62	34	37	8	1	0.3	—	—	—	—	—	—	35	46	1	0.3	35 500	67 000	3000	0.028	5300	0.371	—
54207	—	30	62	37.8	37	8	1	0.3	50	21	—	—	—	—	35	48	1	0.3	35 500	67 000	3000	0.028	5300	0.749	—
54207	U207	30	62	37.8	37	8	1	0.3	50	21	48	65	7	42	35	48	1	0.3	35 500	67 000	3000	0.028	5300	0.749	0.057
52307	—	30	68	44	37	10	1	0.3	—	—	—	—	—	—	35	48	1	0.3	50 000	88 000	3900	0.05	4500	0.63	—
54307	—	30	68	47.2	37	10	1	0.3	56	21	—	—	—	—	35	52	1	0.3	50 000	88 000	3900	0.05	4500	0.802	—
54307	U307	30	68	47.2	37	10	1	0.3	56	21	52	72	7.5	52	35	52	1	0.3	50 000	88 000	3900	0.05	4500	0.802	0.083
52208	—	30	68	36	42	9	1	0.6	—	—	—	—	—	—	40	51	1	0.6	46 500	98 000	4300	0.05	4800	0.509	—
54208	—	30	68	38.6	42	9	1	0.6	56	25	—	—	—	—	40	55	1	0.6	46 500	98 000	4300	0.05	4800	0.513	—
54208	U208	30	68	38.6	42	9	1	0.6	56	25	55	72	7	44	40	55	1	0.6	46 500	98 000	4300	0.05	4800	0.513	0.071
52308	—	30	78	49	42	12	1	0.6	—	—	—	—	—	—	40	55	1	0.6	61 000	112 000	5000	0.08	4000	1.02	—
52209	—	35	73	37	47	9	1	0.6	—	—	—	—	—	—	45	56	1	0.6	39 000	80 000	3550	0.043	4800	0.539	—
54209	—	35	73	39.6	47	9	1	0.6	56	23	—	—	—	—	45	60	1	0.6	39 000	80 000	3550	0.043	4800	0.537	—
54209	U209	35	73	39.6	47	9	1	0.6	56	23	60	78	7.5	45	45	60	1	0.6	39 000	80 000	3550	0.043	4800	0.537	0.088
52309	—	35	85	52	47	12	1	0.6	—	—	—	—	—	—	45	61	1	0.6	75 000	140 000	6300	0.12	3600	1.15	—
54309	—	35	85	56.2	47	12	1	0.6	64	21	—	—	—	—	45	65	1	0.6	75 000	140 000	6300	0.12	3600	2.15	—
54309	U309	35	85	56.2	47	12	1	0.6	64	21	65	90	10	62	45	65	1	0.6	75 000	140 000	6300	0.12	3600	2.15	0.173
52210	—	40	78	39	52	9	1	0.6	—	—	—	—	—	—	50	61	1	0.6	50 000	106 000	4700	0.07	4300	0.635	—
54210	—	40	78	42	52	9	1	0.6	64	30.5	—	—	—	—	50	62	1	0.6	50 000	106 000	4700	0.07	4300	0.625	—
54210	U210	40	78	42	52	9	1	0.6	64	30.5	62	82	7.5	47	50	62	1	0.6	50 000	106 000	4700	0.07	4300	0.625	0.098
52310	—	40	95	58	52	14	1.1	0.6	—	—	—	—	—	—	50	68	1	0.6	86 500	170 000	7500	0.18	3400	1.76	—
54310	—	40	95	64.6	52	14	1.1	0.6	72	23	—	—	—	—	50	72	1	0.6	86 500	170 000	7500	0.18	3400	1.84	—
54310	U310	40	95	64.6	52	14	1.1	0.6	72	23	72	100	11	70	50	72	1	0.6	86 500	170 000	7500	0.18	3400	1.84	0.225
52211	—	45	90	45	57	10	1	0.6	—	—	—	—	—	—	55	69	1	0.6	61 000	134 000	6100	0.11	3800	0.571	—
54211	—	45	90	49.6	57	10	1	0.6	72	32.5	—	—	—	—	55	72	1	0.6	61 000	134 000	6100	0.11	3800	1.02	—
54211	U211	45	90	49.6	57	10	1	0.6	72	32.5	72	95	9	55	55	72	1	0.6	61 000	134 000	6100	0.11	3800	1.02	0.152
52311	—	45	105	64	57	15	1.1	0.6	—	—	—	—	—	—	55	75	1	0.6	102 000	208 000	9000	0.26	3200	2.37	—



Bearing designation	Washer	Dimensions (mm)																	Basic dynamic load rating	Basic static load rating	Fatigue load limit	Minimum load factor	Limiting speed	Mass	
		d	D	T2	D1	B	r	r1	R	A	D2	D3	C	T3	da	Da	ra	ra1	C _a	C _{oa}	C _{ua}	A	nG	Bearing	Washer
							min.	min.								max.	max.	max.	N	N	N		min-1	≈kg	≈kg
54311	—	45	105	72.6	57	15	1.1	0.6	80	25.5	—	—	—	—	55	80	1	0.6	102 000	208 000	9000	0.26	3200	2.53	—
54311	U311	45	105	72.6	57	15	1.1	0.6	80	25.5	80	110	11.5	78	55	80	1	0.6	102 000	208 000	9000	0.26	3200	2.53	0.277
52212	—	50	95	46	62	10	1	0.6	—	—	—	—	—	—	60	74	1	0.6	62 000	140 000	6200	0.12	3800	1.12	—
54212	—	50	95	50	62	10	1	0.6	72	30.5	—	—	—	—	60	78	1	0.6	62 000	140 000	6200	0.12	3800	1.17	—
54212	U212	50	95	50	62	10	1	0.6	72	30.5	78	100	9	56	60	78	1	0.6	62 000	140 000	6200	0.12	3800	1.17	0.165
52312	—	50	110	64	62	15	1.1	0.6	—	—	—	—	—	—	60	80	1	0.6	100 000	208 000	9000	0.28	3200	2.49	—
54312	—	50	110	70.6	62	15	1.1	0.6	90	36.5	—	—	—	—	60	85	1	0.6	100 000	208 000	9000	0.28	3200	2.59	—
54312	U312	50	110	70.6	62	15	1.1	0.6	90	36.5	85	115	11.5	78	60	85	1	0.6	100 000	208 000	9000	0.28	3200	2.59	0.31
52213	—	55	100	47	67	10	1	0.6	—	—	—	—	—	—	65	79	1	0.6	64 000	150 000	6600	0.14	3600	1.19	—
52313	—	55	115	65	67	15	1.1	0.6	—	—	—	—	—	—	65	85	1	0.6	106 000	220 000	9700	0.32	3000	2.5	—
52214	—	55	105	47	72	10	1	1	—	—	—	—	—	—	70	84	1	1	65 500	160 000	7000	0.16	3600	1.3	—
52314	—	55	125	72	72	16	1.1	1	—	—	—	—	—	—	70	92	1	1	134 000	290 000	12 900	0.5	2800	3.55	—
54314	—	55	125	80.4	72	16	1.1	1	100	39	—	—	—	—	70	98	1	1	134 000	290 000	12 900	0.5	2800	3.77	—
54314	U314	55	125	80.4	72	16	1.1	1	100	39	98	130	13	88	70	98	1	1	134 000	290 000	12 900	0.5	2800	3.77	0.408
52215	—	60	110	47	77	10	1	1	—	—	—	—	—	—	75	89	1	1	67 000	170 000	7500	0.18	3400	1.48	—
54215	—	60	110	49.6	77	10	1	1	90	47.5	—	—	—	—	75	92	1	1	67 000	170 000	7500	0.18	3400	1.87	—
54215	U215	60	110	49.6	77	10	1	1	90	47.5	92	115	9.5	57	75	92	1	1	67 000	170 000	7500	0.18	3400	1.87	0.21
52315	—	60	135	79	77	18	1.5	1	—	—	—	—	—	—	75	99	1.5	1	163 000	360 000	15 400	0.75	2400	4.72	—
54315	—	60	135	87.2	77	18	1.5	1	100	32.5	—	—	—	—	75	105	1.5	1	163 000	360 000	15 400	0.75	2400	5.92	—
54315	U315	60	135	87.2	77	18	1.5	1	100	32.5	105	140	15	95	75	105	1.5	1	163 000	360 000	15 400	0.75	2400	5.92	0.544
52216	—	65	115	48	82	10	1	1	—	—	—	—	—	—	80	94	1	1	75 000	190 000	8500	0.22	3400	1.55	—
54216	—	65	115	51	82	10	1	1	90	45	—	—	—	—	80	98	1	1	75 000	190 000	8500	0.22	3400	1.6	—
54216	U216	65	115	51	82	10	1	1	90	45	98	120	10	58	80	98	1	1	75 000	190 000	8500	0.22	3400	1.6	0.218
52316	—	65	140	79	82	18	1.5	1	—	—	—	—	—	—	80	104	1.5	1	160 000	360 000	15 100	0.8	2400	4.82	—
54316	—	65	140	86.2	82	18	1.5	1	112	45.5	—	—	—	—	80	110	1.5	1	160 000	360 000	15 100	0.8	2400	4.93	—
54316	U316	65	140	86.2	82	18	1.5	1	112	45.5	110	145	15	95	80	110	1.5	1	160 000	360 000	15 100	0.8	2400	4.93	0.57
52217	—	70	125	55	88	12	1	1	—	—	—	—	—	—	85	101	1	1	98 000	250 000	10 900	0.38	3000	2.23	—
54217	—	70	125	59.2	88	12	1	1	100	49.5	—	—	—	—	85	105	1	1	98 000	250 000	10 900	0.38	3000	2.25	—
54217	U217	70	125	59.2	88	12	1	1	100	49.5	105	130	11	67	85	105	1	1	98 000	250 000	10 900	0.38	3000	2.25	0.29
52317	—	70	150	87	88	19	1.5	1	—	—	—	—	—	—	85	111	1.5	1	186 000	415 000	16 700	1.1	2200	6.21	—
54317	—	70	150	95.2	88	19	1.5	1	112	39	—	—	—	—	85	115	1.5	1	186 000	415 000	16 700	1.1	2200	6.27	—
54317	U317	70	150	95.2	88	19	1.5	1	112	39	115	155	17.5	105	85	115	1.5	1	186 000	415 000	16 700	1.1	2200	6.27	0.803
52218	—	75	135	62	93	14	1.1	1	—	—	—	—	—	—	90	108	1	1	118 000	300 000	12 300	0.53	2800	3.05	—
54218	—	75	135	69	93	14	1.1	1	100	42	—	—	—	—	90	110	1	1	118 000	300 000	12 300	0.53	2800	3.11	—
54218	U218	75	135	69	93	14	1.1	1	100	42	110	140	13.5	76	90	110	1	1	118 000	300 000	12 300	0.53	2800	3.11	0.425
52318	—	75	155	88	93	19	1.5	1	—	—	—	—	—	—	90	116	1.5	1	193 000	455 000	17 700	1.2	2000	6.62	—
54318	—	75	155	97.2	93	19	1.5	1	112	36.5	—	—	—	—	90	120	1.5	1	193 000	455 000	17 700	1.2	2000	6.74	—
54318	U318	75	155	97.2	93	19	1.5	1	112	36.5	120	160	18	106	90	120	1.5	1	193 000	455 000	17 700	1.2	2000	6.74	0.83
52220	—	85	150	67	103	15	1.1	1	—	—	—	—	—	—	100	120	1	1	122 000	320 000	14 400	0.67	2600	3.83	—
54220	—	85	150	72.8	103	15	1.1	1	112	49	—	—	—	—	100	125	1	1	122 000	320 000	14 400	0.67	2600	3.87	—





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.



Founded in 2009, Shaanxi Gainhui Heavy Industries Co., Ltd. covers an area of 16,000 square meters, which is a professional bearing manufacturer and distributor in China. The company is committed to the design, manufacture and service of precision bearings, focusing on providing customers with reliable bearing products and cost-effective technical solutions.

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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