



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.



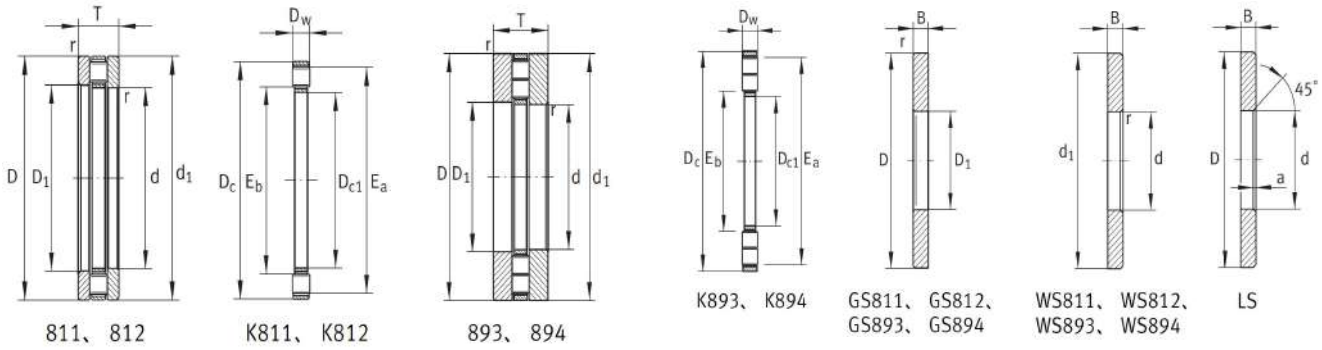
Thrust Cylindrical Roller Bearings



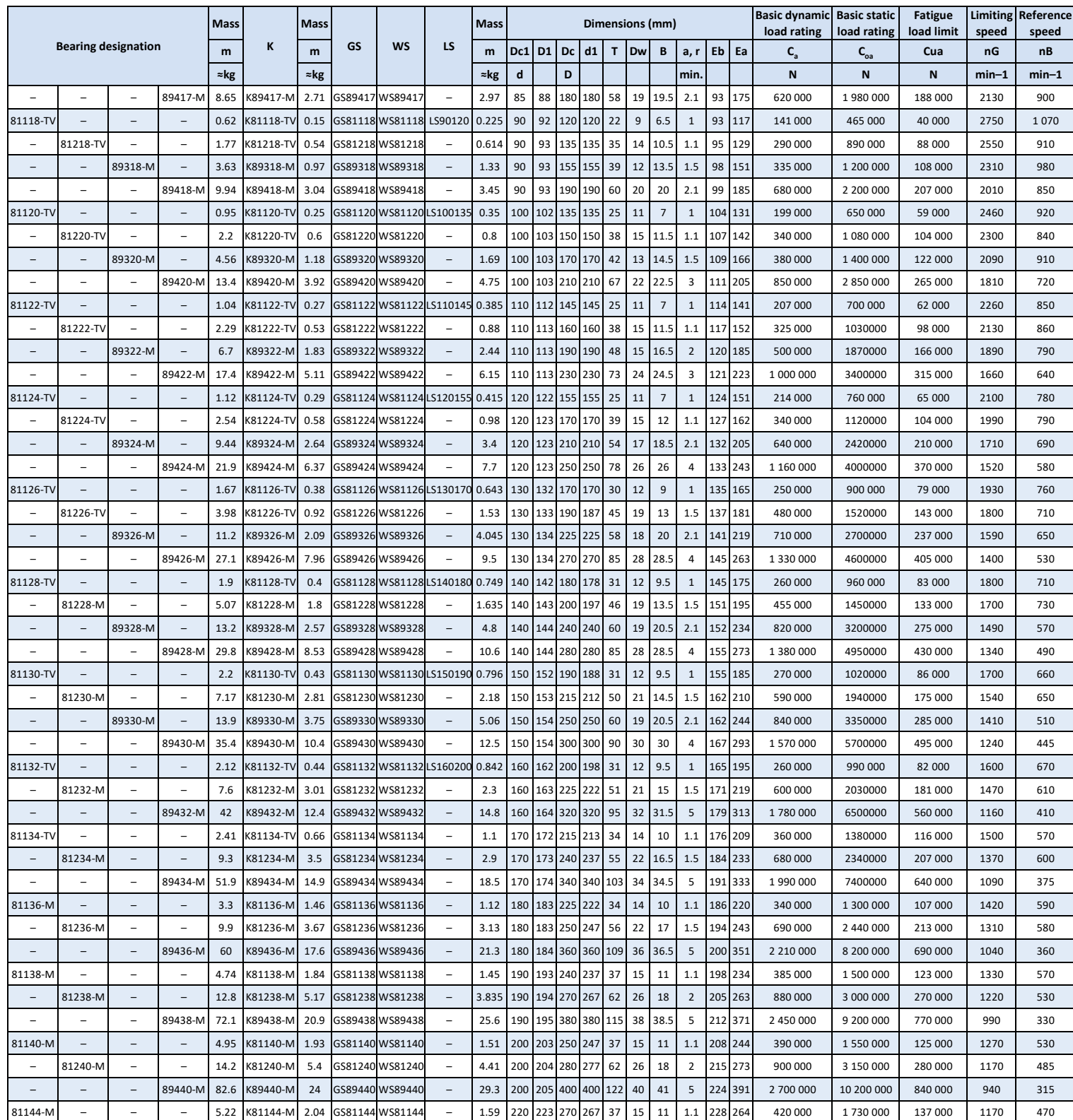
Bearing Series:

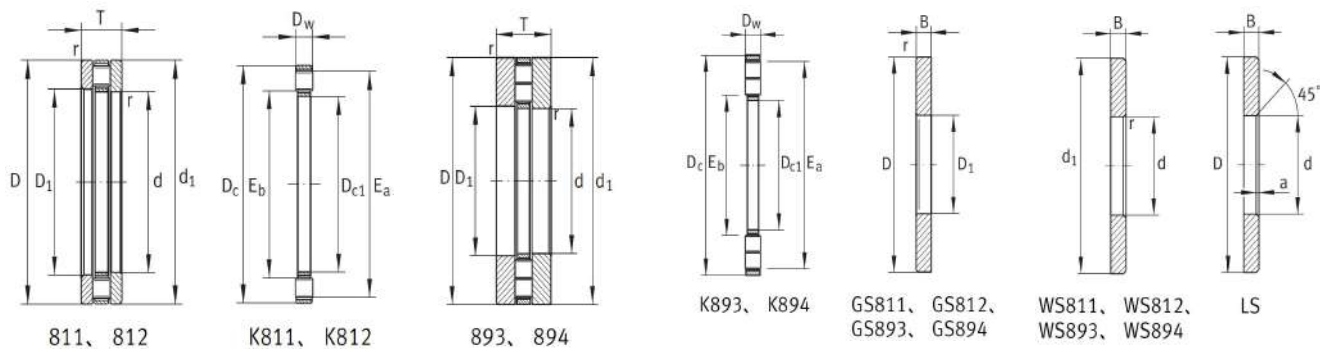
**811 series, 812 series,
893 series, 894 series**





Bearing designation				Mass	K	Mass	GS	WS	LS	Mass	Dimensions (mm)														Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed
				m		m				m	Dc1	D1	Dc	d1	T	Dw	B	a, r	Eb	Ea	C _a	C _{0a}	C _{ua}	nG	nB				
				≈kg						≈kg	d		D					min.			N	N	N	min-1	min-1				
81102-TV	—	—	—	0.024	K81102-TV	0.006	GS81102	WS81102	LS1528	0.008	15	16	28	28	9	3.5	2.75	0.3	16	27	14 400	28 500	4 000	13 600	6 300				
81103-TV	—	—	—	0.027	K81103-TV	0.009	GS81103	WS81103	LS1730	0.009	17	18	30	30	9	3.5	2.75	0.3	18	29	15 900	33 500	4 650	12 400	5 400				
81104-TV	—	—	—	0.037	K81104-TV	0.013	GS81104	WS81104	LS2035	0.012	20	21	35	35	10	4.5	2.75	0.3	21	34	24 900	53 000	7 300	10 500	4 300				
81105-TV	—	—	—	0.053	K81105-TV	0.015	GS81105	WS81105	LS2542	0.019	25	26	42	42	11	5	3	0.6	26	41	33 500	76 000	7 100	8 600	3 500				
81106-TV	—	—	—	0.057	K81106-TV	0.017	GS81106	WS81106	LS3047	0.02	30	32	47	47	11	5	3	0.6	31	46	35 500	86 000	8 000	7500	3 050				
—	81206-TV	—	—	0.123	K81206-TV	0.033	GS81206	WS81206	—	0.045	30	32	52	52	16	7.5	4.25	0.6	31	50	64 000	141 000	14 100	7 100	2 650				
—	—	89306-TV	—	0.24	K89306-TV	0.04	GS89306	WS89306	—	0.095	30	32	60	60	18	5.5	6.25	1	33	59	69 000	197 000	18 900	6400	2 600				
81107-TV	—	—	—	0.073	K81107-TV	0.019	GS81107	WS81107	LS3552	0.027	35	37	52	52	12	5	3.5	0.6	36	51	39 000	101 000	9 500	6 600	2 600				
—	81207-TV	—	—	0.195	K81207-TV	0.043	GS81207	WS81207	—	0.076	35	37	62	62	18	7.5	5.25	1	39	58	80 000	199 000	20 000	5900	2 320				
—	—	89307-TV	—	0.34	K89307-TV	0.053	GS89307	WS89307	—	0.134	35	37	68	68	20	6	7	1	38	67	80 000	237 000	23 200	5 600	2 390				
81108-TV	—	—	—	0.105	K81108-TV	0.031	GS81108	WS81108	LS4060	0.037	40	42	60	60	13	6	3.5	0.6	42	58	56 000	148 000	14 500	5800	2 190				
—	81208-TV	—	—	0.249	K81208-TV	0.081	GS81208	WS81208	—	0.084	40	42	68	68	19	9	5	1	43	66	107 000	265 000	23 300	5 200	1 860				
—	—	89308-TV	—	0.484	K89308-TV	0.098	GS89308	WS89308	—	0.193	40	42	78	78	22	7	7.5	1	44	77	122 000	385 000	39 000	4800	1 780				
81109-TV	—	—	—	0.13	K81109-TV	0.035	GS81109	WS81109	LS4565	0.047	45	47	65	65	14	6	4	0.6	47	63	59 000	163 000	16 000	5 300	1 970				
—	81209-TV	—	—	0.287	K81209-TV	0.085	GS81209	WS81209	—	0.101	45	47	73	73	20	9	5.5	1	48	70	105 000	265 000	23 300	4850	1 820				
—	—	89309-TV	—	0.615	K89309-TV	0.121	GS89309	WS89309	—	0.247	45	47	85	85	24	7.5	8.25	1	49	83	139 000	445 000	44 500	4 400	1 620				
81110-TV	—	—	—	0.14	K81110-TV	0.038	GS81110	WS81110	LS5070	0.051	50	52	70	70	14	6	4	0.6	52	68	61 000	177 000	17 400	4800	1 810				
—	81210-TV	—	—	0.356	K81210-TV	0.098	GS81210	WS81210	—	0.129	50	52	78	78	22	9	6.5	1	53	75	117 000	315 000	27 500	4 450	1 550				
—	—	89310-TV	—	0.887	K89310-TV	0.175	GS89310	WS89310	—	0.356	50	52	95	95	27	8	9.5	1.1	56	92	167 000	560 000	58 000	3950	1 460				
81111-TV	—	—	—	0.218	K81111-TV	0.045	GS81111	WS81111	LS5578	0.082	55	57	78	78	16	6	5	0.6	57	77	90 000	300 000	31 000	4 300	1 330				
—	81211-TV	—	—	0.568	K81211-TV	0.166	GS81211	WS81211	—	0.201	55	57	90	90	25	11	7	1	59	85	154 000	405 000	38 500	4000	1 510				
—	—	89311-TV	—	1.18	K89311-TV	0.195	GS89311	WS89311	—	0.485	55	57	105	105	30	9	10.5	1.1	61	103	184 000	600 000	52 000	3 600	1 490				
81112-TV	—	—	—	0.266	K81112-TV	0.082	GS81112	WS81112	LS6085	0.092	60	62	85	85	17	7.5	4.75	1	62	82	103 000	315 000	32 000	4000	1 360				
—	81212-TV	—	—	0.642	K81212-TV	0.176	GS81212	WS81212	—	0.233	60	62	95	95	26	11	7.5	1	64	91	172 000	480 000	45 500	3 700	1 300				
—	—	89312-TV	—	1.26	K89312-TV	0.21	GS89312	WS89312	—	0.517	60	62	110	110	30	9	10.5	1.1	66	108	196 000	670 000	58 000	3350	1 350				
—	—	—	89412-TV	2.818	K89412-TV	0.538	GS89412	WS89412	—	1.115	60	62	130	130	42	14	14	1.5	65	126	390 000	1 220 000	121 000	3 000	1 080				
81113-TV	—	—	—	0.31	K81113-TV	0.09	GS81113	WS81113	LS6590	0.11	65	67	90	90	18	7.5	5.25	1	67	87	107 000	340 000	34 000	3700	1 260				
—	81213-TV	—	—	0.721	K81213-TV	0.185	GS81213	WS81213	—	0.268	65	67	100	100	27	11	8	1	69	96	177 000	500 000	48 000	3450	1 240				
—	—	89313-TV	—	1.33	K89313-TV	0.21	GS89313	WS89313	—	0.535	65	67	115	115	30	9	10.5	1.1	71	113	194 000	670 000	58 000	3200	1 330				
—	—	—	89413-TV	3.52	K89413-TV	0.72	GS89413	WS89413	—	1.4	65	68	140	140	45	15	15	2	70	135	445 000	1 410 000	139 000	2800	1 000				
81114-TV	—	—	—	0.332	K81114-TV	0.092	GS81114	WS81114	LS7095	0.12	70	72	95	95	18	7.5	5.25	1	72	92	111 000	365 000	36 500	3500	1 170				
—	81214-TV	—	—	0.768	K81214-TV	0.212	GS81214	WS81214	—	0.278	70	72	105	105	27	11	8	1	74	102	187 000	550 000	53 000	3250	1 130				
—	—	89314-TV	—	1.82	K89314-TV	0.29	GS89314	WS89314	—	0.8	70	72	125	125	34	10	12	1.1	76	123	239 000	830 000	74 000	2950	1 200				
—	—	—	89414-TV	4.18	K89414-TV	0.76	GS89414	WS89414	—	1.73	70	73	150	150	48	16	16	2	76	147	475 000	1 500 000	148 000	2650	1 000				
81115-TV	—	—	—	0.393	K81115-TV	0.096	GS81115	WS81115	LS75100	0.136	75	77	100	100	19	7.5	5.75	1	78	97	107 000	350 000	35 500	3300	1 190				
—	81215-TV	—	—	0.8	K81215-TV	0.195	GS81215	WS81215	—	0.293	75	77	110	110	27	11	8	1	79	106	172 000	500 000	48 000	3100	1 210				
—	—	89315-TV	—	2.23	K89315-TV	0.375	GS89315	WS89315	—	0.97	75	77	135	135	36	11	12.5	1.5	81	132	285 000	1 010 000	92 000	2750	1 080				
—	—	—	89415-M	5.96	K89415-M	1.78	GS89415	WS89415	—	2.09	75	78	160	160	51	17	17	2	82	156	500 000	1 580 000	150 000	2400	1 000				
81116-TV	—	—	—	0.4	K81116-TV	0.095	GS81116	WS81116	LS80105	0.144	80	82	105	105	19	7.5	5.75	1	83	102	106 000	350 000	35 500	3100	1 170				
—	81216-TV	—	—	0.9	K81216-TV	0.234	GS81216	WS81216	—	0.333	80	82	115	115	28	11	8.5	1	84	112	201 000	630 000	60 000	2900	990				
—	—	89316-TV	—	2.37	K89316-TV	0.42	GS89316	WS89316	—	1.02	80	82	140	140	36	11	12.5	1.5	86	137	305 000	1 110 000	100 000	2600	990				
—	—	—	89416-M	7.04	K89416-M	2.04	GS89416	WS89416	—	2.5	80	83	170	170	54	18	18	2.1	88	165	560 000	1 770 000	169 000	2260	950				
81117-TV	—	—	—	0.42	K81117-TV	0.118	GS81117	WS81117	LS85110	0.151	85	87	110	110	19	7.5	5.75	1	87	108	112 000	385 000	39 000	2950	1 070				
—	81217-TV	—	—	1.26	K81217-TV	0.28	GS81217	WS81217	—	0.49	85	88	125	125	31	12	9.5	1	90	119	217 000	660 000	64 000	2750	1 060				
—	—	89317-M	—	3.39	K89317-M	0.93	GS89317	WS89317	—	1.23	85	88	150	150	39	12	13.5	1.5	93	146	325 000	1 140 000	104 000	2400	1 030				





Bearing designation				Mass	K	Mass	GS	WS	LS	Mass	Dimensions (mm)														Basic dynamic load rating	Basic static load rating	Fatigue load limit	Limiting speed	Reference speed
				m		m				m	Dc1	D1	Dc	d1	T	Dw	B	a, r	Eb	Ea	C _a	C _{0a}	C _{ua}	nG	nB				
				≈kg		≈kg				≈kg	d	D					min.		N	N						N	min−1	min−1	
–	81244-M	–	–	15.3	K81244-M	5.8	GS81244	WS81244	–	4.75	220	224	300	297	63	26	18.5	2	236	294	940 000	3 450 000	295 000	1080	435				
–	–	–	89444-M	90.1	K89444-M	25.7	GS89444	WS89444	–	32.2	220	225	420	420	122	40	41	6	244	411	2 900 000	11 500 000	940 000	870	270				
81148-M	–	–	–	8.45	K81148-M	3.32	GS81148	WS81148	–	2.57	240	243	300	297	45	18	13.5	1.5	253	294	600 000	2 500 000	199 000	1050	440				
–	81248-M	–	–	26.2	K81248-M	9.94	GS81248	WS81248	–	8.15	240	244	340	335	78	32	23	2.1	263	333	1 370 000	5 000 000	425 000	960	395				
–	–	–	89448-M	95.9	K89448-M	27.3	GS89448	WS89448	–	34.3	240	245	440	440	122	40	41	6	264	431	3 000 000	12 200 000	980 000	830	250				
81152-M	–	–	–	9.08	K81152-M	3.55	GS81152	WS81152	–	2.765	260	263	320	317	45	18	13.5	1.5	272	314	620 000	2 650 000	205 000	980	390				
–	81252-M	–	–	28.6	K81252-M	10.8	GS81252	WS81252	–	8.9	260	264	360	355	79	32	23.5	2.1	281	351	1 440 000	5 400 000	455 000	910	355				
–	–	–	89452-M	125	K89452-M	36.8	GS89452	WS89452	–	44.25	260	265	480	480	132	44	44	6	286	468	3 600 000	14 700 000	1150000	760	224				
81156-M	–	–	–	12.6	K81156-M	5.31	GS81156	WS81156	–	3.65	280	283	350	347	53	22	15.5	1.5	294	344	860 000	3 650 000	285 000	900	345				
–	81256-M	–	–	31	K81256-M	11.5	GS81256	WS81256	–	9.75	280	284	380	375	80	32	24	2.1	301	371	1 460 000	5 600 000	465 000	850	335				
–	–	–	89456-M	159	K89456-M	47.5	GS89456	WS89456	–	55.6	280	285	520	520	145	48	48.5	6	309	508	4 200 000	17 600 000	1360000	700	199				
81160-M	–	–	–	19.4	K81160-M	7.6	GS81160	WS81160	–	5.92	300	304	380	376	62	25	18.5	2	316	372	1 060 000	4 500 000	355 000	840	330				
–	81260-M	–	–	48.25	K81260-M	17.8	GS81260	WS81260	–	15.2	300	304	420	415	95	38	28.5	3	329	412	1 930 000	7 300 000	600 000	780	305				
–	–	–	89460-M	170	K89460-M	49.8	GS89460	WS89460	–	60.15	300	305	540	540	145	48	48.5	6	329	528	4 350 000	18 500 000	1420000	670	188				
81164-M	–	–	–	20.7	K81164-M	8.04	GS81164	WS81164	–	6.35	320	324	400	396	63	25	19	2	336	392	1 100 000	4 750 000	370 000	790	290				
–	–	–	89464-M	203	K89464-M	80.3	GS89464	WS89464	–	61.5	320	325	580	575	155	68	43.5	7.5	343	566	5 500 000	19 900 000	1430000	630	185				



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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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