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# 临清市天瑞轴承制造有限公司

LINQING TIANRUI BEARING MANUFACTURING CO.,LTD

# *Company Introduction*

***LINQING TIANRUI BEARING MANUFACTURING CO.,LTD is established in 2001.Ancillary equipment with high-tech production,employing over 150 professional technicians 18,and bearings are based manufacturers,with an annual 5 millon stes of bearings,bearings and other Annex 50 million pieces.***

***Leading products:deep groove ball bearings, taper roller bearings, pillow block ball bearings, inch bearings, wheel hub bearings and other bearings.***



***Primarily in the mechanical and electrical products, farm machinery, hydraulic removal trucks, trolleys, storage cars, windows round, Moxianglun,auto and other manufacturers.***

***With reliable product quality and the actual service, all users were unanimous praise.***

***We should be serving the new and old customers, from the principle of innovating quality and integrity.***

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# *PRODUCTS SERIES*

- DEEP GROOVE BALL BEARINGS
- PILLOW BLOCK BALL BEAINGS
- WHEEL HUB BEARINGS
- TAPER ROLLER BEARINGS
- THRUST BALL BEARINGS
- SPHERICAL ROLLER BEARINGS

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# PRODUCTS PHOTO



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# EQUIREMENTS





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# PRODUCT APPLICATIONS



## Deep groove ball bearings (6000 series)

TYPE	Inner Diameter		Outer Diameter		Width		Steel ball		Biggest operation speed		Weight kg
	mm	inch	mm	inch	mm	inch	Q	Size	Fatty oil	Oil	
604	4	0.1575	12	0.4724	4	0.1575	6	2.381	43000	51000	0.002
605	5	0.1969	14	0.5512	5	0.1969	6	3.175	39000	46000	0.0035
606	6	0.2362	17	0.6693	6	0.2362	7	3.500	30000	38000	0.006
6000	10	0.3937	26	1.0236	7	0.3150	7	4.763	20000	28000	0.019
6001	12	0.4724	28	1.1024	7	0.3150	8	4.763	19000	26000	0.021
6002	15	0.5906	32	1.2598	9	0.3543	9	4.763	18000	24000	0.030
6003	17	0.6693	35	1.3780	10	0.3937	8	6.747	17000	22000	0.039
6004	20	0.7874	42	1.6535	12	0.4724	8	7.938	15000	19000	0.069
6005	25	0.9843	47	1.8504	12	0.4725	9	7.938	13000	17000	0.080
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6010	50	1.9685	80	3.1498	16	0.6299	10	12.7	6400	7800	0.250
6011	55	2.1654	90	3.5433	18	0.7087	10	14.288	57000	7000	0.362
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6022	110	4.331	170	6.693	28	1.102	--	--	3800	4500	2.090

# Deep groove ball bearings (6200 series)

TYPE	Inner Diameter		Outer Diameter		Width		Steel ball		Biggest operation speed		Weight kg
	mm	inch	mm	inch	mm	inch	Q	Size	Fatty oil	Oil	
624	4	0.1517	13	0.5118	5	0.1968	6	2.381	36000	45000	0.0032
625	5	0.1969	16	0.0629	5	0.1968	6	3.175	32000	40000	0.0048
626	6	0.2362	19	0.7480	6	0.2362	7	3.500	28000	36000	0.0081
6200	10	0.3937	30	1.811	9	0.3543	8	4.763	19000	26000	0.032
6201	12	0.4724	32	1.2598	10	0.3937	7	5.953	18000	24000	0.037
6202	15	0.5906	35	1.3780	11	0.4331	8	5.953	17000	22000	0.045
6203	17	0.6693	40	1.5748	12	0.4724	8	6.747	16000	20000	0.066
6204	20	0.7874	47	1.8504	14	0.5512	8	7.938	14000	18000	0.106
6205	25	0.9843	52	2.0470	15	0.5906	9	7.938	12000	16000	0.128
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6210	50	1.9685	90	3.5433	20	0.7874	10	12.700	6100	7300	0.462
6211	55	2.1654	100	3.9370	21	0.8268	10	14.288	5500	6600	0.602
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6224	120	4.724	215	8.465	40	1.575	--	--	2800	3400	5.26



# Deep groove ball bearings (6300 series)

TYPE	Inner Diameter		Outer Diameter		Width		Steel ball		Biggest operation speed		Weight kg
	mm	inch	mm	inch	mm	inch	Q	Size	Fatty oil	Oil	
634	4	0.1574	16	0.6299	5	0.1968	6	2.381	32000	40000	0.0051
635	5	0.1969	19	0.7840	6	0.2362	7	3.500	28000	28000	0.008
636	6	0.2362	22	0.6661	7	0.2756	7	3.969	26000	34000	0.013
6300	10	0.3937	35	1.3780	11	0.4331	7	6.350	15000	21000	0.053
6301	12	0.4724	37	1.4567	12	0.4724	6	7.938	14000	20000	0.06
6302	15	0.5906	42	1.6535	13	0.5118	7	7.938	13000	18000	0.082
6303	17	0.6639	47	1.8504	14	0.5512	7	8.731	12000	17000	0.115
6304	20	0.7874	52	2.0472	15	0.5906	7	9.525	11000	15000	0.144
6305	25	0.9873	62	2.4409	17	0.6639	7	11.500	10000	13000	0.2193
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6310	50	1.9685	110	4.330	24	1.063	8	19.050	44000	5500	1.0822
6311	55	--	120	--	29	--	--	--	5600	6700	1.39
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6320	100	3.937	215	8.465	47	1.850	--	--	--	--	--



# Deep groove ball bearings (16000 series)

Bearing Type	Inner diameter	Outer diameter	Width	Operation speed		Weight kg	Bearing Type	Inner diameter	Outer diameter
	mm	mm		Fatty & oil	Oil			mm	mm
16001	21	0.4725	28	0.4725	7	0.2756	26000	30000	0.024
16002	15	0.5906	32	0.5906	8	0.3150	22000	26000	0.025
16003	17	0.6693	35	0.6693	8	0.3150	20000	24000	0.032
16004	20	0.7874	42	0.7874	8	0.3150	18000	21000	0.052
16005	25	0.9843	47	0.9843	8	0.3150	15000	18000	0.059
16006	30	--	55	--	9	--	13000	15000	0.084
16007	35	--	62	--	9	--	11000	13000	0.107
16008	40	--	68	--	8	--	9800	12000	0.125
16009	45	--	75	--	10	--	8900	10000	0.155
16010	50	--	80	--	10	--	8200	9700	0.166
16011	55	--	90	--	11	--	7400	8800	0.207
16012	60	--	95	--	11	--	6900	8100	0.224
16013	65	--	100	--	11	--	6600	7800	0.241
16014	70	--	100	--	13	--	5700	7200	0.386

# Taper roller bearings (30200、30300 series)

Type	Dimensions(mm)			Weight (KG)		Type	Dimensions(mm)			Weight (KG)
	Inner	Outer	Width				Inner	Outer	Width	
30203	17.000	40.000	13.250	0.079		30303	17.000	47.000	15.250	0.129
30204	20.000	47.000	15.250	0.126		30304	20.000	52.000	16.250	0.165
30205	25.000	52.000	16.250	0.154		30305	25.000	62.000	18.250	0.263
30206	30.000	62.000	17.250	0.231		30306	30.000	72.000	20.750	0.387
30207	35.000	72.000	18.250	0.331		30307	35.000	80.000	22.750	0.515
30208	40.000	80.000	19.750	0.422		30308	40.000	90.000	25.250	0.747
30209	45.000	85.000	20.750	0.474		30309	45.000	100.00	27.250	0.984
30210	50.000	90.00	21.750	0.529		30310	50.000	110.00	29.250	1.280
30211	55.000	100.00	22.750	0.713		30311	55.000	120.00	31.500	1.630
30212	60.000	110.00	23.750	0.904		30312	60.000	130.00	33.500	1.990
30213	65.000	120.00	24.75	1.130		30313	65.000	140.00	36.000	2.440
30214	70.000	125.00	26.250	1.260		30314	70.000	150.00	38.000	2.980
.....	.....	.....	.....	.....		.....	.....	.....	.....	.....
30222	110.00	200.00	41.000	5.210		30318	90.000	190.00	46.500	5.800

# Taper roller bearings (32200、32300 series)

Type	Dimensions(mm)			Weight (KG)		Type	Dimensions(mm)			Weight (KG)	
	Inner	Outer	Width				Inner	Outer	Width		
32206	30.000	62.000	21.250	0.287		32303	17.000	47.000	20.250	0.173	
32207	35.000	72.000	24.250	0.445		32304	20.000	52.000	22.250	0.230	
32208	40.000	80.000	24.750	0.532		32305	25.000	62.000	25.250	0.368	
32209	45.000	85.000	24.750	0.573		32306	30.000	72.000	28.750	0.562	
32210	50.000	90.000	24.750	0.626		32307	35.000	80.000	32.750	0.763	
32211	55.000	100.00	26.750	0.853		32308	40.000	90.000	35.250	1.040	
32212	60.000	110.00	29.750	1.170		32309	45.000	100.00	38.250	1.400	
32213	65.000	120.00	32.750	1.550		32310	50.000	110.00	42.250	1.890	
32214	70.000	125.00	33.250	1.640		32311	55.00	120.00	45.500	2.370	
32215	75.000	130.00	33.250	1.740		32312	60.000	130.00	48.500	2.900	
32216	80.000	140.00	35.250	2.130		32313	65.000	140.00	51.000	3.510	
32217	85.000	150.00	38.500	2.680		32314	70.000	150.00	54.000	4.340	
.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	
32222	110.00	200.00	56.000	7.430		32321	105.00	225.00	81.500	14.80	

# Taper roller bearings (33200、33000 series)

Type	Dimensions(mm)			Weight (KG)		Type	Dimensions(mm)			Weight (KG)	
	Inner	Outer	Width				Inner	Outer	Width		
33206	30	62	25	0.355		33006	30	55	20	0.201	
33207	35	72	28	0.524		33007	35	62	21	0.254	
33208	40	80	32	0.715		33008	40	68	22	0.306	
33209	50	90	32	0.867		33009	45	75	24	0.398	
33210	50	90	32	0.867		33010	50	80	24	0.433	
33211	55	100	35	1.180		33011	55	90	27	0.651	
33212	60	110	38	1.560		33012	60	95	27	0.691	
33213	65	120	41	2.040		33013	65	100	27	0.732	
33214	70	125	41	2.150		33014	70	110	31	1.07	
33215	75	130	41	2.25		33015	75	115	31	1.120	
33216	80	140	46	2.94		33016	80	125	36	1.630	
33217	85	150	49	3.56		33017	85	130	36	1.69	
.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	
33221	105	190	68	8.12		33028	140	210	56	6.570	



# Taper roller bearings ( 33100,32000 series )

Type	Dimensions(mm)			Weight (KG)		Type	Dimensions(mm)			Weight (KG)	
	Inner	Outer	Width				Inner	Outer	Width		
33108	40	75	26	0.510		32004	20	42	15	0.095	
33109	45	80	26	0.552		32005	25	47	15	0.110	
33110	50	85	26	0.597		32006	30	55	17	0.17	
33111	55	95	30	0.877		32007	35	62	18	0.224	
33112	60	100	30	0.910		32008	40	68	19	0.267	
33113	65	110	34	1.32		32009	45	75	20	0.337	
33114	70	120	37	1.710		32010	50	80	20	0.366	
33115	75	125	37	1.796		32011	55	90	23	0.551	
33116	80	130	37	1.88		32012	60	95	23	0.584	
33117	85	140	41	2.510		32013	65	100	23	0.620	
33118	90	150	45	3.216		32014	70	110	25	0.839	
33119	95	160	49	3.94		32015	75	115	26	0.875	
.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	
33122	110	170	47	3.74		32022	110	170	38	3.020	

# Taper roller bearings (Inch series)

Type	Dimensions(mm)			Weight (KG)		Type	Dimensions(mm)			Weight (KG)	
	Inner	Outer	Width				Inner	Outer	Width		
11590/20	15.875	42.862	14.288	0.100		2780/20	36.487	76.200	23.812	0.520	
11749/10	17.462	39.878	13.843	0.080		69349/10	38.000	63.000	17.000	0.190	
11949/10	19.050	45.237	15.494	0.120		29749/11	38.100	65.088	19.812	0.240	
12580/20	20.638	49.225	19.845	0.180		3580/25	38.100	87.312	30.162	0.870	
12649/10	21.430	50.005	17.526	0.160		26880/22	39.688	79.375	23.812	0.550	
12749/11	21.856	45.975	15.494	0.120		802048/11	41.275	82.550	26.543	0.620	
1380/28	22.225	53.975	19.368	0.220		365A/362A	41.275	88.900	20.638	0.620	
44642/10	25.4	50.292	14.224	0.110		102949/10	45.242	73.431	19.558	0.310	
88036/11	25.4	68.262	22.225	0.430		603049/12	45.242	77.788	21.430	0.370	
44649/10	26.988	50.292	14.224	0.110		807046/10	50.800	104.77	36.512	1.490	
2578/23	28.575	69.850	23.812	0.470		207049/10	55.000	95.000	29.000	0.840	
45449/10	29.000	50.292	14.224	0.110		495A/492A	76.200	133.35	30.162	1.680	
.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	
25880/21	36.487	73.025	23.812	0.450		217249/10	85.000	150.00	46.000	3.330	

# Pillow block ball bearings (UC series)

TYPE	SIZE (mm)	Weight (KG)		TYPE	SIZE (mm)	Weight (KG)		TYPE	SIZE (mm)	Weight (KG)	
UC201	12	0.12		UC305	25	0.35		SB201	12	0.1	
UC202	15	0.14		UC306	30	0.56		SB202	15	0.1	
UC203	17	0.13		UC307	35	0.71		SB203	17	0.1	
UC204	20	0.17		UC308	40	1.00		SB204	20	0.14	
UC205	25	0.22		UC309	45	1.36		SB205	25	0.17	
UC206	30	0.34		UC310	50	1.65		.....	.....	.....	
UC207	35	0.52		UC311	55	2.08		SB212	60	1.3	
UC208	40	0.68		UC312	60	2.60		SA201	12	0.14	
UC209	45	0.78		UC313	65	3.24		SA202	15	0.13	
UC210	50	0.85		UC314	70	3.91		SA203	17	0.13	
UC211	55	1.22		UC315	75	4.70		SA204	20	0.15	
UC212	60	1.65		UC316	80	5.06		SA205	25	0.19	
UC213	65	1.96		UC317	85	6.9		SA206	30	0.33	
.....	.....	.....		.....	.....	.....		.....	.....	.....	
UC218	90	4.56		UC320	100	11.2		SA212	60	1.2	

# Pillow block ball bearings (UCP, UCT, UCF, UCFL series)

TYPE		TYPE		TYPE		TYPE		TYPE		TYPE	
UCP202		UCT202		UCF202		UCFL202		UCP305		UCT305	
UCP203		UCT203		UCF203		UCFL203		UC306		UCT306	
UCP204		UCT204		UCF204		UCFL204		UCP307		UCT307	
UCP205		UCT205		UCF205		UCFL205		UCP308		UCT308	
UCP206		UCT206		UCF206		UCFL206		UCP309		UCT309	
UCP207		UCT207		UCF207		UCFL207		UCP310		UCT310	
UCP208		UCT208		UCF208		UCFL208		UCP311		UCT311	
UCP209		UCT209		UCF209		UCFL209		UCP312		UCT312	
UCP210		UCT210		UCF210		UCFL210		UCP313		UCT313	
UCP211		UCT211		UCF211		UCFL211		UCP314		UCT314	
UCP212		UCT212		UCF212		UCFL212		UCP315		UCT315	
UCP213		UCT213		UCF213		UCFL213		UCP316		UCT316	
UCP214		UCT214		UCF214		UCFL214		UCP317		UCT317	
.....		.....		.....		.....		.....		.....	
UCP218		UCT218		UCF218		UCFL218		UCP322		UCT320	

# Wheel hub bearings (DAC series)

TYPE		TYPE		TYPE		TYPE	
DAC255200206		DAC40700637		DCA39680637		DAC4270038	
DAC25520037		DAC38720040		DAC39680737		DAC42720038	
DAC25720043		DAC40740040		DAC42820036		DAC407641/38	
DAC30600037		DAC40760033		DAC42820037		DAC42750037	
DAC30650021		DAC35720034		DAC42840039		.....	
DAC32720345		DAC36720034		DAC43800038			
DAC34620037		DAC37720037		DAC43800050			
DAC34600037		DAC37720038		DAC43820045			
DAC35640037		DAC38700037		DAC43820037			
DAC35660032		DAC38700038		DAC45840039			
DAC35720028		DAC38720040		DAC30600037			
DAC35720433		DAC38730040		DAC42750037			
DAC39720037		DAC38740050		DAC42760038			
DAC39720637		DAC38740450		DAC42800045			
DAC40720037		DAC39680037		DAC42720033			

# Spherical roller bearings (22000 series)

Type	Dimensions(mm)			Weight (KG)		Type	Dimensions(mm)			Weight (KG)	
	Inner	Outer	Width				Inner	Outer	Width		
22208	40	80	23	0.540		22308	40	90	33	1.000	
22209	45	85	23	0.580		22309	45	100	36	1.380	
22210	50	90	23	0.620		22310	50	110	40	1.850	
22211	55	100	25	0.840		22311	55	120	43	2.350	
22212	60	110	28	1.200		22312	60	130	46	2.950	
22213	65	120	31	1.600		22313	65	140	48	3.550	
22214	70	125	31	1.700		22314	70	150	51	4.400	
22215	75	130	31	1.800		22315	75	160	55	5.250	
22216	80	140	33	2.200		22316	80	170	58	6.390	
22217	85	150	36	2.700		22317	85	180	60	7.250	
22218	90	160	40	3.280		22318	90	190	64	8.600	
22219	95	170	43	4.100		22319	95	200	67	10.10	
.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	
22230	150	270	73	18.60		22326	130	280	93	28.50	





# Technical Parameters

- **1, Materials**

Bearing the internal and external contractor, keep frame, dust cover/sealing ring and ball four composition.

And the material of roller ring width and rolling body usually rings: the use of high carbon chromium bearing steel. Most of the bearing, the use of the kinds SUJ2, JIS is domestic chrome (GCr15).

The chemical composition of SUJ2, in the world, as with the materials have normalized bearing. For example: and AISL52100 (us), DIN100Cr6 (west Germany), BS535A99 (UK) belong to the same steel.

Keep frame materials: keep frame materials, stamping use low carbon steel. According to different purposes, also use yellow copper, stainless steel plate. Cut the cage material, use high strength carbon steel, brass, also still use synthetic resin.

Dustproof, seal and lubrication: bearing have type, one-sided or two-sided with dust cover (zz) and with seals (RS, 2 RS) points, with a factory filled the right amount of rust lubricating oil or grease, the bearing can be opened by cleaning directly use and is applicable to light to the load, low to medium speed its working temperature is 20 degrees to 110 degrees-device. When work conditions, the customer should be in special when you place an order with fat mark and grease number.

- **2, The interior of the bearing clearance**

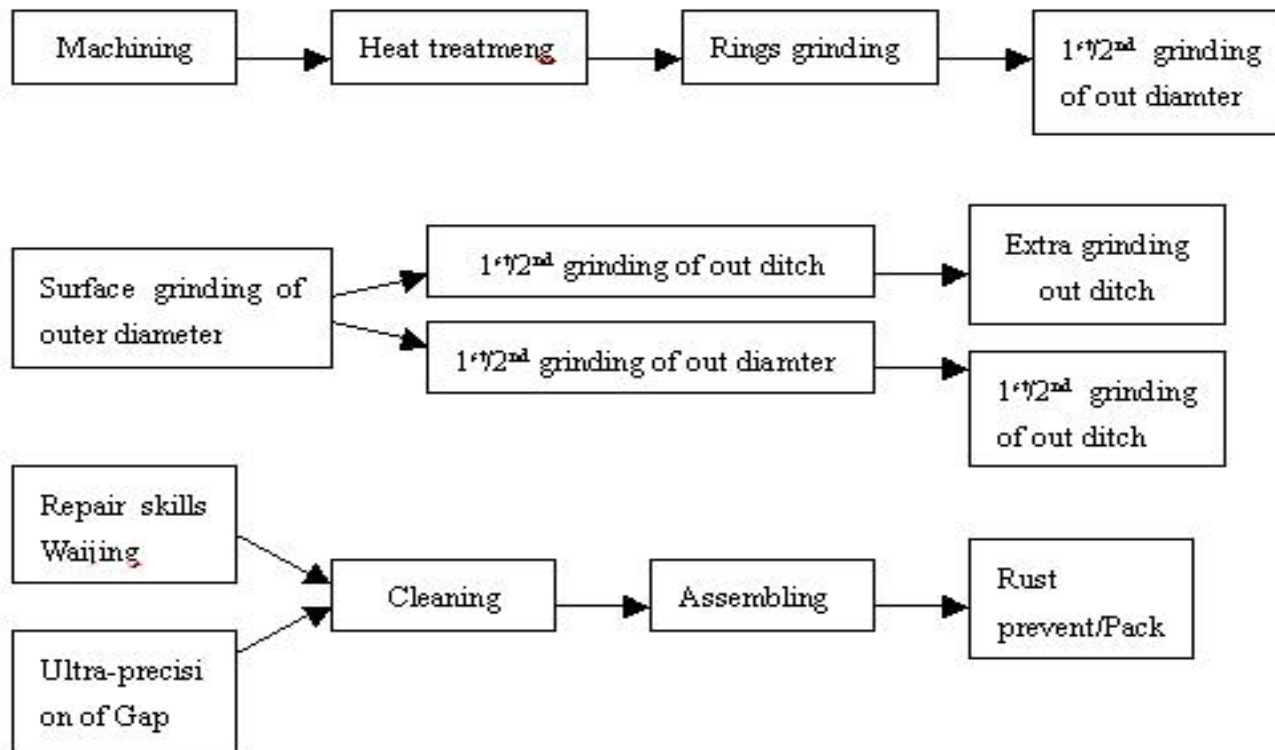
Clearance: deep groove ball bearing radial clearance according to GB/T4604-1999 (equivalent to ISO 5753 1991) for the production. Usually, deep groove ball bearing radial clearance for basic group (group) Co, if the customer requirements, can use other groups clearance.

- **3, Bearing vibration and noise**

Bearing noise detection by instruments S0910-1 to complete, divided into Z1 and Z2 Z3, Z4 level, vibration testing instrument, by BVT-1 to complete, divided into the V1 and V2 and V3, V4 level. One of bearing vibration motor bearing the higher request, according to the specific requirements of the customer can choose different level.

# PRODUCTION PROCESS

## PRODUCTION FLOW CHART



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# CONATACT US



Linqing Tianrui Bearing Manufacturing co.,ltd

General Manager: Mr Cao

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Sales: lily wang

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