



HRB BEARINGS

HRB Deep Ball Bearings provide outstanding performance in a wide range of applications offering world class quality.

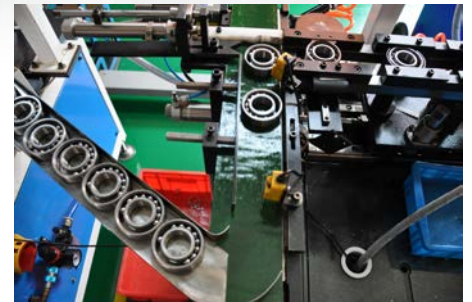


BEARING HANDBOOK

Jaipur Bearings Ltd. founded in 1991 is a modern enterprise specialised in the production of precision bearings. The company mainly produces Deep Groove ball bearings, Pillow (UC) bearings and Taper bearings.



Capital: 10 Million Yuan
Area: 60,000 sq.m.



We are determined to make every effort to expand domestic and international markets, and we are willing to establish long term business relationship with business partners all over the world to cooperate sincerely and make progress together.



Installation tips for maximum bearing operation

1. Handle with care. Never pound directly on a bearing or ring. If a bearing is dropped, it is best not to install it. Store bearings horizontally in a dry place in their original unopened package and never place bearings on a dirty surface; periodically turn over sealed and shielded bearings to prevent grease from settling to one side.
2. Inspect the shaft and housing. Check for size and damage; remove nicks and burrs with emery paper, and wipe clean with a soft cloth. Replace or repair shafts and housings showing obvious signs of wear or damage. A shaft placed in a vise for mounting should be protected from vise jaws with a sheet of soft metal.
3. Avoid overheating. During heat-mounting operations, never bring a flame in direct contact with the bearing and never heat beyond 230°F. Also, immediately hold a heat-mounted bearing in place against the shaft shoulder until it cools and locks in place. Otherwise, the bearing may creep away from the proper position.
4. Use identical replacement bearings. Replacement bearings should be identical to the bearings they replace. Contact an HRB Authorized Distributor or HRB for interchange information.
5. Use the right tool for the job. Induction heaters, oil injection kits, and hydraulic nuts are among the specialized tools available for mounting and dismounting bearings over 4 in. O.D. Their use lowers the possibility of damaging bearings and speeds the process.
6. Pay attention to the bearing's press fit. Use a press for any bearing under 4 in. O.D. Pressure should be applied only to the bearing ring with the press fit, which is usually the ring that rotates after the bearing is installed. Pressure to the ring without the press fit will damage the raceways.
7. Don't wash new bearings. Bearing manufacturers take great care to package and ship bearings that are dirt-free and ready for lubrication. There's usually no need to wash them or remove the protective slushing compound.
8. Proper lube is critical. Bearing manufacturers evaluate several factors before determining the type of lubricant required for specific bearings. Be sure to follow their recommendations. Temperature and contamination conditions will influence the frequency of lubrication changes.
9. Rotate idle bearings. Bearings installed in equipment that is subject to vibration while the shafts are stationary may incur false brinelling damage, which also occurs when equipment is not properly protected during shipment. It can appear as bright, polished depressions on the inner and/or outer races, as well as on the rolling elements.
10. Look for danger signs. Keep alert for three sure signs of improper bearing operation: excessive noise and increases in vibration and temperature. Troubleshooting instruments like hand-held vibration pens, digital thermometers, and electronic stethoscopes help spot bearings in poor operating condition.
11. Find the cause of bearing failures. Bearings are built to last, so frequent failures may point to an installation or lubrication problem. SKF bearing analysis experts can identify the cause of bearing failure and help you prevent it in the future.
12. The contact between the bearing ring and a properly machined and dimensioned bearing seat should not require the use of bonding agents to prevent movement or turning.

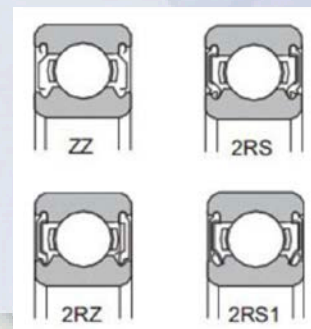
HRB Deep Groove Ball Bearings

HRB Bearings deliver unsurpassed performance and the highest level of quality. Each piece is pushed to the limit to ensure it can rise to the challenge, no matter where it's utilized. Bearing components are repeatedly checked dimensionally using automated gauging, and every assembled bearing is 100% noise-tested.

系列 series	轴承内径 (mm) bore diameter	派生结构 variant structure
61800	10 ~ 1200	Z、ZZ、RZ、2RZ
61900	10 ~ 1000	Z、ZZ、RZ、2RZ、N、NR、ZN、RZN
16000	10 ~ 1000	
6000	10 ~ 1000	Z、ZZ、RZ、2RZ、RS1、2RS1、N、NR、ZN、RZN
6200	10 ~ 1400	Z、ZZ、RZ、2RZ、RS1、2RS1、N、NR、ZN、RZN
6300	10 ~ 1200	Z、ZZ、RZ、2RZ、RS1、2RS1、N、NR、ZN、RZN
6400	10 ~ 1200	N、NR
微型轴承 Miniature bearings	1 ~ 10	2Z RS 2RS F60000

HRB Edge

- High Quality Steel
- Advanced Lubricant Technology
- Precision Balls
- Super Finished Raceways
- 100% Testing ensures total product quality.



The right bearing solutions for your industry.

Electric Motors - HRB Bearings assure minimal noise and maximum life under tough operating conditions.

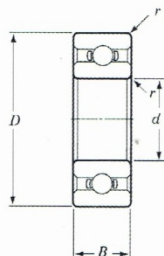
Electrical appliances and office equipment from washing machines to photocopiers, HRB deep groove ball bearings are critical components in the workings of electrical appliances.

Industrial Applications - You will find HRB deep groove ball bearings everywhere in compressors, gearboxes, pumps and fans.

Automotive - HRB uses special materials, heat treatments, seals & greases to ensure that our bearings meet the rigors of automotive applications with high reliability.

Deep Groove Ball Bearings

Bearing Specifications



Z



RS



ZX



ZZ



2RS(99R)



ZZX

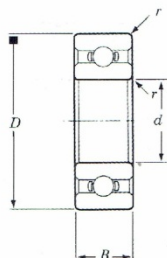
6000 SERIES

Bearing No.	Main Dimension(mm)				Load Rating(KN)		Max Runout Speed		Weight (kg)
	Bore	Outer Diameter	Width	Radius	Dynamic	Static	Gresse	Oil	
	d	D	B	r min			r/min	r/min	
605	5	14	5	0.2	1.33	0.51	39000	46000	0.004
606	6	17	6	0.3	2.26	0.87	35000	42000	0.006
607	7	19	6	0.3	2.24	0.91	34000	40000	0.008
608	8	22	7	0.3	3.35	1.40	32000	37000	0.012
609	9	24	7	0.3	3.17	1.66	31000	36000	0.014
6000	10	26	8	0.3	4.58	1.98	29000	34000	0.019
6001	12	28	8	0.3	5.10	2.38	26000	30000	0.021
6002	15	32	9	0.3	5.58	2.85	22000	26000	0.030
6003	17	35	10	0.3	6.00	3.25	22000	26000	0.039
6004	20	42	12	0.6	9.38	5.02	18000	21000	0.069
6005	25	47	12	0.6	10.00	5.85	15000	18000	0.080
6006	30	55	13	1.0	10.18	6.91	13500	16000	0.116
6007	35	62	14	1.0	12.47	8.66	12000	14000	0.155
6008	40	68	15	1.0	13.10	9.45	10000	12000	0.185
6009	45	75	16	1.0	16.22	11.96	9200	11000	0.231
6010	50	80	16	1.0	16.94	12.95	8400	9900	0.250
6011	55	90	18	1.1	23.28	17.86	7600	8900	0.362
6012	60	95	18	1.1	24.35	19.35	7100	8400	0.385
6013	65	100	18	1.1	30.50	25.20	6600	7800	0.408
6014	70	110	20	1.1	38.80	31.60	6100	7200	0.602
6015	75	115	20	1.1	39.50	33.50	5600	6700	0.649
6016	80	125	22	1.1	47.50	40.00	5300	6300	0.85
6017	85	130	22	1.1	49.50	43.10	5000	5900	0.89
6018	90	140	24	1.5	58.20	49.70	4700	5600	1.16
6019	95	145	24	1.5	60.40	53.90	4400	5200	1.21
6020	100	150	24	1.5	60.50	54.20	4300	5100	1.25

Deep Groove Ball Bearings



Bearing Specifications



Z



RS



ZX



ZZ



2RS(99R)



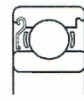
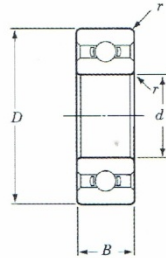
ZZX

6200 SERIES

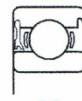
Bearing No.	Main Dimension(mm)				Load Rating(KN)		Max Runout Speed		Weight (kg)
	Bore	Outer Diameter	Width	Radius	Dynamic	Static	Gresse	Oil	
	d	D	B	r min			r/min	r/min	
625	5	16	5	0.3	1.88	0.68	36000	43000	0.005
626	6	19	6	0.3	2.34	0.89	32000	40000	0.008
627	7	22	7	0.3	3.35	1.40	32000	37000	0.013
628	8	24	8	0.3	4.0	1.59	31000	36000	0.017
629	9	26	8	0.3	4.55	1.96	30000	35000	0.020
6200	10	30	9	0.6	5.10	2.38	25000	30000	0.032
6201	12	32	10	0.6	6.82	3.05	22000	26000	0.037
6202	15	35	11	0.6	7.65	3.72	19000	23000	0.045
6203	17	40	12	0.6	9.58	4.78	18000	21000	0.066
6204	20	47	14	1.0	12.80	6.65	16000	18000	0.106
6205	25	52	15	1.0	14.00	7.88	13000	15000	0.128
6206	30	62	16	1.0	19.50	11.20	11000	13000	0.199
6207	35	72	17	1.1	25.70	15.40	9800	11000	0.287
6208	40	80	18	1.1	29.10	17.80	8700	10000	0.367
6209	45	85	19	1.1	32.70	20.30	6800	9200	0.416
6210	50	90	20	0.1	35.10	23.30	6400	8500	0.462
6211	55	100	21	1.5	43.40	29.40	6300	7600	0.602
6212	60	110	22	1.5	52.40	36.20	5700	6900	0.789
6213	65	120	23	1.5	57.20	40.10	5400	6400	0.99
6214	70	125	24	1.5	62.20	44.10	5100	6100	1.07
6215	75	130	25	1.5	67.40	48.30	4800	5800	1.18
6216	80	140	26	2.0	72.70	53.00	4500	5400	1.40
6217	85	150	28	2.0	84.00	61.90	4200	5000	1.79
6218	90	160	30	2.0	95.80	71.50	4000	4800	2.15
6219	95	170	32	2.1	110.00	82.80	3800	4500	2.62
6220	100	180	34	2.1	122.00	92.80	3600	4300	3.14

Deep Groove Ball Bearings

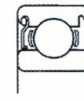
Bearing Specifications



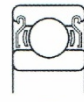
Z



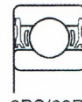
RS



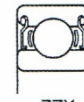
ZX



ZZ



2RS(99R)



ZZX

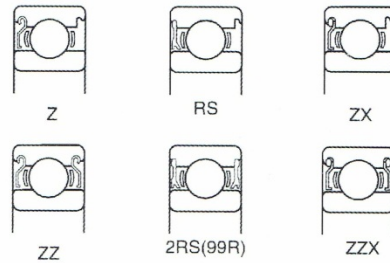
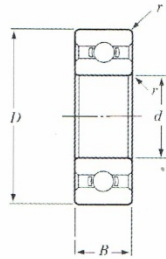
6300 SERIES

Bearing No.	Main Dimension(mm)				Load Rating(KN)		Max Runout Speed		Weight (kg)
	Bore	Outer Diameter	Width	Radius	Dynamic	Static	Gresse	Oil	
	d	D	B	r min			r/min	r/min	
635	5	19	6	0.3	2.34	0.89	34000	40000	0.005
636	6	22	7	0.3	3.35	0.14	33000	39000	0.024
637	7	26	9	0.3	4.60	2.00	28000	15000	0.024
638	8	28	9	0.3	4.60	2.00	28000	15000	0.024
639	9	30	10	0.6	6.10	2.70	25000	30000	0.035
6300	10	35	11	0.6	7.65	3.48	23000	27000	0.053
6301	12	37	12	1.0	9.72	5.08	20000	24000	0.060
6302	15	42	13	1.0	11.50	5.42	17000	21000	0.082
6303	17	47	14	1.0	13.50	6.58	16000	19000	0.115
6304	20	52	15	1.1	15.90	7.80	14000	17000	0.144
6305	25	62	17	1.1	20.60	11.30	11000	13000	0.219
6306	30	72	19	1.1	26.70	15.00	9600	12000	0.350
6307	35	80	21	1.5	33.40	19.30	8500	10000	0.454
6308	40	90	23	1.5	40.70	24.00	7700	9200	0.639
6309	45	100	25	1.5	48.90	29.50	6800	8100	0.836
6310	50	110	27	2.0	62.00	38.30	6100	7300	1.082
6311	55	120	29	2.0	71.60	45.00	5600	6700	1.37
6312	60	130	31	2.1	81.90	52.20	5200	6200	1.70
6313	65	140	33	2.1	92.70	59.90	4800	5800	2.08
6314	70	150	35	2.1	104.00	68.20	4500	5400	2.52
6315	75	160	37	2.1	113.00	77.00	4300	5000	3.02
6316	80	170	39	2.1	123.00	86.50	4000	4800	3.59
6317	85	180	41	3.0	132.00	96.50	3800	4500	4.23
6318	90	190	43	3.0	145.00	108.00	3600	4300	4.91
6319	95	200	45	3.0	157.00	122.00	3300	3900	5.67
6320	100	215	47	3.0	173.00	140.00	3200	3700	7.00

Deep Groove Ball Bearings



Bearing Specifications

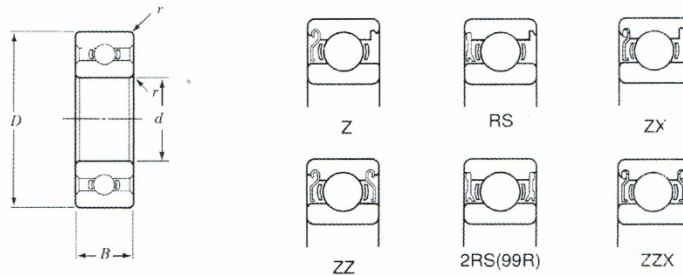


62200 SERIES & NON-STANDARD SERIES

Bearing No.	Main Dimension(mm)				Load Rating(KN)		Max Runout Speed		Weight (kg)
	Bore	Outer Diameter	Width	Radius	Dynamic	Static	Gresse	Oil	
	d	D	B	r min			r/min	r/min	
62200	10	30	14	0.60	5.10	2.38	24000	30000	0.049
62201	12	32	14	0.60	6.82	3.05	22000	28000	0.053
62202	15	35	14	0.60	7.65	3.72	19000	24000	0.059
62203	17	40	16	1.00	9.58	4.78	17000	20000	0.091
62204	20	47	18	1.00	12.80	6.65	15000	18000	0.131
62205	25	52	18	1.00	14.00	7.88	12000	15000	0.148
62206	30	62	20	1.50	19.50	11.50	10000	13000	0.236
62207	35	72	23	1.50	25.50	15.20	9000	11000	0.375
62208	40	80	23	2.00	18.20	18.60	8000	10000	0.604
62209	45	85	23	1.10	32.50	20.40	7800	9200	0.470
62210	50	90	23	1.10	35.00	32.20	7100	7300	0.510
62211	55	100	25	1.50	43.50	29.20	6400	7600	0.820
62212	60	110	28	1.50	52.50	36.00	6000	7000	1.045
62213	65	120	31	1.50	57.50	40.00	5500	6500	1.290
62214	70	125	31	1.50	62.00	44.00	5100	6000	1.360
62215	75	130	31	1.50	66.00	49.50	4800	5600	1.410
62216	80	140	33	2.00	72.50	53.00	4500	5300	—
62217	85	150	36	2.00	83.50	64.00	4200	5000	—
62218	90	160	40	2.00	96.00	71.50	4000	4700	—
62219	95	170	43	2.10	109.00	22.00	3700	4400	—
62220	100	180	46	2.10	122.00	93.00	3500	4200	—
60/22	22	44	12	0.6	9.38	5.02	16000	19000	0.074
60/28	28	52	12	0.6	10.05	5.92	14000	17000	0.098
60/32	32	58	13	1.0	10.74	7.24	13000	15000	0.129
62/22	22	50	14	1.0	13.35	7.25	15000	17000	0.121
62/28	28	58	16	1.0	15.52	8.56	12000	14000	0.171
62/32	32	65	17	1.0	23.50	13.10	10000	12000	0.240
63/22	22	56	16	1.1	18.50	9.40	13000	15000	0.184
63/28	28	68	18	1.1	23.50	13.10	10000	12000	0.284
63/32	32	75	20	1.1	30.10	16.20	9300	11000	0.382

Deep Groove Ball Bearings

Bearing Specifications



62300 SERIES

Bearing No.	Main Dimension(mm)				Load Rating(KN)		Max Runout Speed		Weight (kg)
	Bore	Outer Diameter	Width	Radius	Dynamic	Static	Gresse	Oil	
	d	D	B	r min			r/min	r/min	
62300	10	35	17	0.60	8.20	3.50	23000	27000	0.080
62301	12	37	17	1.00	9.72	5.08	20000	26000	0.095
62302	15	42	17	1.00	11.50	5.42	19000	24000	0.113
62303	17	47	19	1.00	13.50	6.58	17000	20000	0.141
62304	20	52	21	1.50	15.80	7.88	16000	18000	0.197
62305	25	62	24	1.50	22.20	11.50	13000	16000	0.317
62306	30	72	27	2.00	27.00	15.20	11000	14000	0.473
62307	35	80	31	2.00	33.20	19.20	9000	11000	0.658
62308	40	90	33	1.50	40.50	24.00	7800	9200	0.91
62309	45	100	36	1.50	53.00	32.00	7000	8200	1.17
62310	50	110	40	2.00	62.00	38.50	6400	7500	1.51
62311	55	120	43	2.00	71.50	45.00	5800	6800	1.93
62312	60	130	46	2.10	82.00	52.00	5400	6300	2.44
62313	65	140	48	2.10	92.80	60.00	4900	5800	2.95
62314	70	150	51	2.10	104.00	68.00	4600	5400	3.67
62315	75	160	55	2.10	113.00	77.00	4300	5000	4.20
62316	80	170	58	2.10	123.00	86.50	4000	4700	—
62317	85	180	60	3.00	133.00	97.00	3800	4500	—
62318	90	190	64	3.00	143.00	107.00	3600	4200	—
62319	95	200	67	3.00	153.00	119.00	3300	3900	—



We have cultivated ultra-precision machining technologies and applied full automatic grinding and assembly lines.

By using centralised filter system, which is the grinding oil filter and cooling system, it is guaranteed that the grinding oil for machineries will be always cooled and fresh. This improves the inner and outer ring grinding effect and efficiency.





TAPERED ROLLER BEARINGS: ***designed to bear the unbearable***

SINGLE ROW BEARINGS

TS- SINGLE ROW

**TSF- SINGLE ROW, WITH
FLANGED OUTER RING**



DOUBLE ROW BEARINGS

TDO- DOUBLE OUTER RING

TDI- DOUBLE INNER RING

**TDIT- DOUBLE INNER RING
WITH TAPERED BORE**

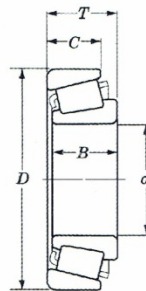


公制系列 metric series	轴承内径 (mm) bore diameter
32900	10 ~ 800
32000X	10 ~ 700
30200	10 ~ 600
30300	10 ~ 600
32200	10 ~ 600
32300	30 ~ 500
33000	10 ~ 600
33100	10 ~ 600
33200	10 ~ 700
31300	10 ~ 700
英制系列 inch series	轴承外径 (mm) outside diameter
30000R	≤ 800
350000	≤ 800

Taper Roller Bearings



Single Row Taper Roller Bearings



Bearings No.		Main Dimension(mm)					Weight (kg)
CONE	CUP	d	D	T	B	C	
LM11749	LM11710	17.462	39.878	13.843	14.605	10.668	0.083
LM11949	LM11910	19.050	45.237	15.494	16.637	12.065	0.128
M12649	M12610	21.430	50.005	17.526	18.288	13.970	0.172
LM12749	LM12710	21.986	45.237	15.494	16.637	12.065	0.116
LM12749	LM12711	21.986	45.974	15.494	16.637	12.065	0.121
L44643	L44610	25.400	50.292	14.224	14.732	10.668	0.126
L44649	L44610	26.988	50.292	14.224	14.732	10.668	0.119
L45449	L45410	29.000	50.292	14.224	14.732	10.668	0.113
LM67048	LM67010	31.750	59.131	15.875	16.764	11.811	0.168
M88048	M88010	33.338	68.262	22.225	22.225	17.463	0.378
LM48548	LM48510	34.925	65.088	18.034	18.288	13.970	0.257
L68149	L68110	34.988	59.131	15.875	16.764	11.938	0.170
JL69349	JL69310	38.000	63.000	17.000	17.000	13.500	0.204
LM501349	LM501310	41.275	73.431	19.558	19.812	14.732	0.325

SINGLE ROW TAPER ROLLER BEARINGS

Bearings No.	Main Dimension(mm)					Weight (kg)
	d	D	T	B	C	
30203	17	40	13.25	12	11.0	0.079
30204	20	47	15.25	14	12.0	0.120
30205	25	52	16.25	15	13.0	0.150
30206	30	62	17.25	16	14.0	0.232
30207	35	72	18.25	17	15.0	0.320
30208	40	80	19.75	18	16.0	0.420
30209	45	85	20.75	19	16.0	0.474
30210	50	90	21.75	20	17.0	0.540
30211	55	100	22.75	21	18.0	0.713
30212	60	110	23.75	22	19.0	0.905
30302	15	42	14.25	13	11.0	0.095
30303	17	47	15.25	14	12.0	0.130
30304	20	52	16.25	15	13.0	0.170
30305	25	62	18.25	17	15.0	0.260
30306	30	72	20.75	19	16.0	0.393
30307	35	80	22.75	21	18.0	0.515
30308	40	90	25.25	23	20.0	0.720
30309	45	100	27.25	25	22.0	1.120
30310	50	110	29.25	27	23.0	1.265
30311	55	120	31.50	29.0	25.0	1.650
30312	60	130	33.50	31.0	26.0	2.080
32004	20	42	15.00	15	12.0	0.097
32005	25	47	15.00	15	11.5	0.123
32006	30	55	17.00	17	13.0	0.169
32007	35	62	18.00	18	14.0	0.222
32008	40	68	19.00	19	14.5	0.268
32009	45	75	20.00	20	15.5	0.333
32010	50	80	20.00	20	15.5	0.371
32011	55	90	23.00	23	17.5	0.551
32012	60	95	23.00	23	17.5	0.584
32013	65	100	23.00	23	17.5	0.620
32014	70	110	25.00	25	19.0	0.839
32015	75	115	25.00	25	19.0	0.875
32303	17	47	20.25	19	16.0	0.175
32304	25	52	22.25	21	16.0	0.230
32305	25	62	25.25	24	20.0	0.368
32306	30	72	28.75	27	23.0	0.560
32307	35	80	32.75	31	25.0	0.763
32308	40	90	35.25	33	27.0	1.036
32309	45	100	38.25	36	30.0	1.408
32310	50	110	42.25	40	33.0	1.915
32311	55	120	45.50	43	35.0	2.380
32312	60	130	48.50	46	37.0	2.920
32205	25	52	19.25	18	16.0	0.187
32206	30	62	21.25	20	17.0	0.292
32207	35	72	24.25	23	19.0	0.448
32208	40	80	24.75	23	19.0	0.525
32209	45	85	24.75	23	19.0	0.615
32210	50	90	24.75	23	19.0	0.634
32211	55	100	26.75	21	18.0	0.863
32212	60	110	29.75	28	24.0	1.190



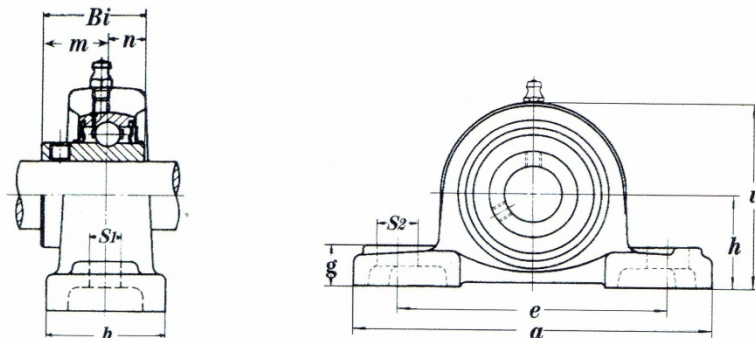
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Pillow Block Ball Bearings



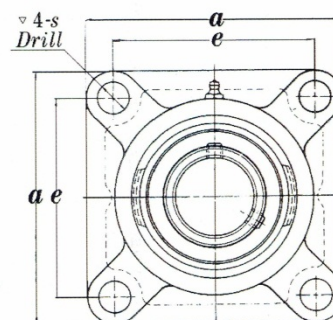
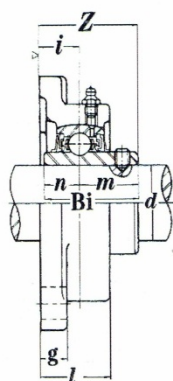
UCP 200

(normal-duty)



Unit No.	Shaft Dia d (mm)	Dimensions(mm)											Bolt Used (mm)	Bearing No.	Housing No.	Weight (kg)	Covers (mm) t
		h	a	e	b	S2	S1	g	w	Bi	n	m					
UCP 201	12													UC 201			
201-8														201-8			
202	15	30.2	127	95	38	19	13	13	60	31.0	12.7	18.3	10	202	P202	0.61	44
202-10														202-10			
203	17													203			
UCP 204-12	20	33.3	127	95	38	19	13	15	64	31.0	12.7	18.3	10	204-12	P204	0.66	44
204														204			
UCP 205-14	25	36.5	140	105	38	19	13	16	71	34.0	14.3	19.7	10	UC 205-14			
205-15														205-15	P205	0.8	48
205														205			
205-16														205-16			
UCP 206-18	30	42.9	165	121	48	21	17	18	84	38.1	15.9	22.2	14	UC 206-18			
206														206	P206	1.3	52
206-19														206-19			
206-20														206-20			
UCP 207-20	35	47.6	167	127	48	21	17	19	93	42.9	17.5	25.4	14	UC 207-20			
207-21														207-21	P207	1.6	59
207-22														207-22			
207														207			
207-23														207-23			
UCP 208-24	40	49.2	184	137	54	22	17	19	98	49.2	19.0	30.2	14	UC 208-24			
208-25														208-25	P208	2.0	68
208														208			
UCP 209-26	45	54.0	190	146	54	22	17	20	106	49.2	19	30.2	14	UC 209-26			
209-27														209-27	P209	2.2	68
209-28														209-28			
209														209			
UCP 210-30	50	57.2	206	159	60	25	20	22	113	51.6	19.0	32.6	16	UC 210-30			
210-31														210-31	P210	2.9	73
210														210			
UCP 211-32	55	63.5	219	171	60	25	20	22	125	55.6	22.2	33.4	16	UC 211-32			
211-34														211-34	P211	3.6	75
211														211			
211-35														211-35			
UCP 212-36	60	69.8	241	184	70	25	20	25	138	65.1	25.4	39.7	16	UC 212-36			
212														212	P212	4.9	88
212-38														212-38			
212-39														212-39			
UCP 213-40	65	76.2	265	203	70	29	25	27	150	65.1	25.4	39.7	20	UC 213-40			
213														213	P213	5.9	88
UCP 214-44	70	79.4	266	210	72	31	25	27	156	74.6	30.2	44.4	20	UC 214-44			
214														214	P214	6.8	98
UCP 215	75	82.6	275	217	74	31	25	28	162	77.8	33.3	44.5	20	UC 215			
215-48														215-48	P215	7.4	98
UCP 216	80	88.9	292	232	78	31	25	30	174	82.6	33.3	49.3	20	UC 216	P216	9.0	108
UCP 217-52	85	95.2	310	247	83	31	25	32	185	85.7	34.1	51.6	20	UC 217-52			
217														217	P217	10.8	112
UCP 218-56	90	101.6	327	262	88	33	27	34	198	96.0	39.7	56.3	22	UC 218-56			
218														218	P218	13.9	122

UCF 200 (normal-duty)

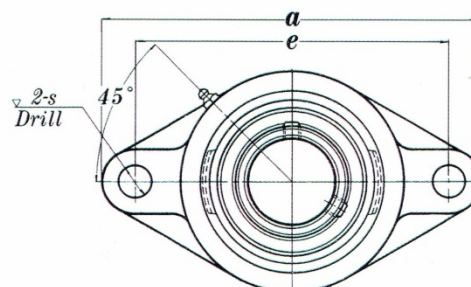
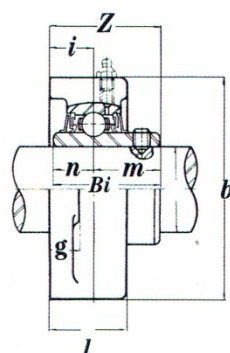


Unit No.	Shaft Dia	Dimensions(mm)										Bolt Used	Bearing No.	Housing No.	Weight (kg)	Covers (mm)
	d (mm)	a	e	i	g	l	s	Z	Bi	n	m					t
UCF 201	12												UC 201	F201		
201-8													201-8			
202	15												202	F202	0.62	37.0
202-10		86	64	15	12	25.5	12	33.3	31.0	12.7	18.3	10	202-10			
203	17												203	F203		
204-12													204-12			
204	20												204	F204		
UCF 205-14													UC 205-14			
205-15	25	95	70	16	14	27	12	35.7	34.0	14.3	19.7	10	205-15	F205	0.83	40
205													205			
205-16													205-16			
UCF 206-18													UC 206-18			
206	30	108	83	18	14	31	12	40.2	38.1	15.9	22.2	10	206	F206	1.1	44.0
206-19													206-19			
206-20													206-20			
UCF 207-20													UC 207-20			
207-21	35	117	92	19	16	34	14	44.4	42.9	17.5	25.4	12	207-21	F207	1.5	49
207-22													207-22			
207													207			
207-23													207-23			
UCF 208-24													UC 208-24			
208-25	40	130	102	21	16	36	16	51.2	49.2	19.0	30.2	14	208-25	F208	1.9	55.0
208													208			
UCF 209-26													UC 209-26			
209-27	45	137	105	22	18	38	16	52.2	49.2	19	30.2	14	209-27	F209	2.2	56.0
209-28													209-28			
209													209			
UCF 210-30													UC 210-30			
210-31	50	143	111	22	18	40	16	54.6	51.6	19.0	32.6	14	210-31	F210	2.5	59
210													210			
UCF 211-32													UC 211-32			
211-34	55	162	130	25	20	43	19	58.4	55.6	22.2	33.4	16	211-34	F211	3.4	63
211													211			
211-35													211-35			
UCF 212-36													UC 212-36			
212	60	175	143	29	20	48	19	68.7	65.1	25.4	39.7	16	212	F212	4.2	73.0
212-38													212-38			
212-39													212-39			
UCF 213-40													UC 213-40			
213	65	187	149	30	22	50	19	69.7	65.1	25.4	39.7	16	213	F213	5.2	74
UCF 214-44													UC 214-44			
214	70	193	152	31	24	54	19	75.4	74.6	30.2	44.4	16	214	F214	5.9	80
UCF 215													UC 215			
215-48	75	200	159	34	24	56	19	78.5	77.8	33.3	44.5	16	215-48	F215	6.4	83.0
UCF 216	80	208	165	34	24	58	23	83.3	82.6	33.3	49.3	20	UC 216	F216	7.3	88.0
UCF 217-52													UC 217-52			
217	85	220	175	36	26	63	23	87.6	85.7	34.1	51.6	20	217	F217	8.9	92.0
UCF 218-56													UC 218-56			
218	90	235	187	40	26	68	23	96.3	96.3	39.7	56.3	20	218	F218	11.4	101.0

Pillow Block Ball Bearings



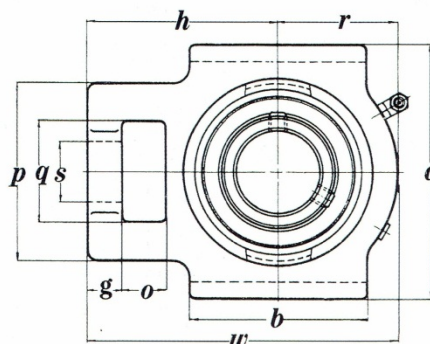
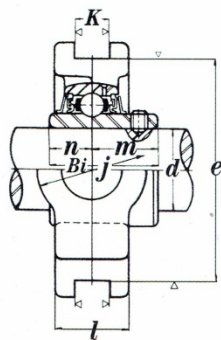
UCFL 200 (normal-duty)



Unit No.	Shaft Dia	Dimensions(mm)											Bolt Used	Bearing No.	Housing No.	Weight (kg)	Covers (mm)
	d (mm)	a	e	i	g	l	s	b	Z	Bi	n	m					t
UCFL 201	12													UC 201	FL 201		
201-8														201-8			
202	15													202	FL 202	0.48	37.0
202-10		113	90	15	12	25.5	12	60	33.3	31.0	12.7	18.3	10	202-10	FL 203		
203	17													203			
204-12														204-12	FL 204		
204	20													204			
UCFL 205-14														UC 205-14			
205-15	25	130	99	16	14	27	16	68	35.7	34.0	14.3	19.7	14	205-15	FL 205	0.64	40
205														205			
205-16														205-16			
UCFL 206-18														UC 206-18			
206	30	148	117	18	14	31	16	80	40.2	38.1	15.9	22.2	14	206	FL 206	0.93	44.0
206-19														206-19			
206-20														206-20			
UCFL 207-20														UC 207-20			
207-21	35	161	130	19	16	34	16	90	44.4	42.9	17.5	25.4	14	207-21	FL 207	1.2	49
207-22														207-22			
207														207			
207-23														207-23			
UCFL 208-24														UC 208-24			
208-25	40	175	144	21	16	36	16	100	51.2	49.2	19.0	30.2	14	208-25	FL 208	1.6	55.0
208														208			
UCFL 209-26														UC 209-26			
209-27	45	188	148	22	18	38	19	108	52.2	49.2	19.0	30.2	16	209-27	FL 209	1.9	56.0
209-28														209-28			
209														209			
UCFL 210-30														UC 210-30			
210-31	50	197	157	22	18	40	19	115	54.6	51.6	19.0	32.6	16	210-31	FL 210	2.2	59
210														210			
UCFL 211-32														UC 211-32			
211-34	55	224	184	25	20	43	19	130	58.4	55.6	22.2	33.4	16	211-34	FL 211	3.3	63
211														211			
211-35														211-35			
UCFL 212-36														UC 212-36			
212	60	250	202	29	20	48	23	140	68.7	65.1	25.4	39.7	20	212	FL 212	4.2	73.0
212-38														212-38			
212-39														212-39			
UCFL 213-40														UC 213-40			
213	65	258	210	30	24	50	23	155	69.7	65.1	25.4	39.7	20	213	FL 213	5.1	74
UCFL 214-44														UC 214-44			
214	70	265	216	31	24	54	23	160	75.4	74.6	30.2	44.4	20	214	FL 214	5.7	80
UCFL 215														UC 215			
215-48	75	275	225	34	24	56	23	165	78.5	77.8	33.3	44.5	20	215-48	FL 215	6.4	83.0
UCFL 216	80	290	233	34	24	58	25	180	83.3	82.6	33.3	49.3	22	UC 216	FL 216	7.8	88.0
UCFL 217-52														UC 217-52			
217	85	305	248	36	26	63	25	190	87.6	85.7	34.1	51.6	22	217	FL 217	9.8	92.0
UCFL 218-56														UC 218-56			
218	90	320	265	40	26	68	25	205	96.3	96.0	39.7	56.3	22	218	FL 218	12.3	101.0

Pillow Block Ball Bearings

UCT 200 (normal-duty)

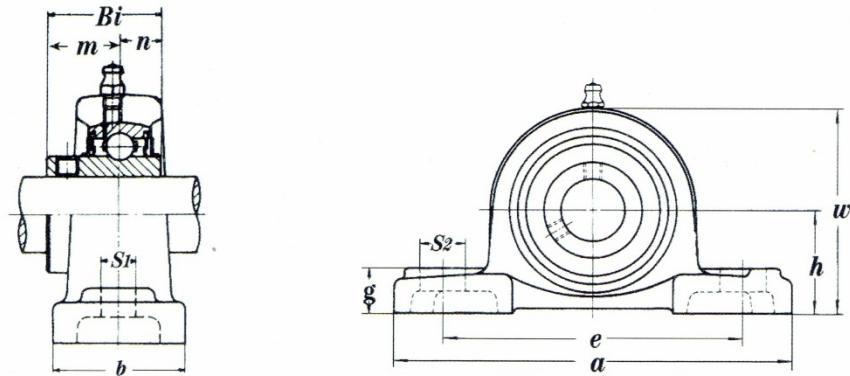


Unit No.	Shaft Dia	Dimensions(mm)																	Bearing No.	Housing No.	Weight (kg)	Covers
	d (mm)	o	g	p	q	s	b	K	e	a	w	j	l	r	h	Bi	n	m				(mm)
UCT 201	12																		UC 201	T201		
201-8																			201-8			
202	15																		202	T202		
202-10		16	10	51	32	19	51	12	76	89	94	32	21	33	61	31. 0	12. 7	18. 3	202-10		0. 79	44
203	17																		203	T203		
204-12																			204-12			
204	20																		204	T204		
UCT 205-14																			UC 205-14			
205-15																			205-15			
205	25	16	10	51	32	19	51	12	76	89	97	32	24	35	62	34. 0	14. 3	19. 7	205	T205	0. 84	48
205-16																			205-16			
UCT 206-18																			UC 206-18			
206																			206			
206-19	30	16	10	56	37	22	57	12	89	102	113	37	28	43	70	38. 1	15. 9	22. 2	206-19	T206	1. 3	52
206-20																			206-20			
UCT 207-20																			UC 207-20			
207-21																			207-21			
207-22	35	16	13	64	37	22	64	12	89	102	129	37	30	51	78	42. 9	17. 5	25. 4	207-22	T207	1. 6	59
207																			207			
207-23																			207-23			
UCT 208-24																			UC 208-24			
208-25	40	19	16	83	49	29	83	16	102	114	114	49	33	56	88	49. 2	19. 0	30. 2	208-25	T208	2. 5	68
208																			208			
UCT 209-26																			UC 209-26			
209-27																			209-27			
209-28	45	19	16	83	49	29	83	16	102	117	144	49	35	57	87	49. 2	19. 0	30. 2	209-28	T209	2. 4	68
209																			209			
UCT 210-30																			UC 210-30			
210-31	50	19	16	83	49	29	86	16	102	117	149	49	37	59	90	51. 6	19. 0	32. 6	210-31	T210	2. 6	73
210																			210			
UCT 211-32																			UC 211-32			
211-34																			211-34			
211	55	25	19	102	64	35	95	22	130	146	171	64	38	65	106	55. 6	22. 2	33. 4	211	T211	4	75
211-35																			211-35			
UCT 212-36																			UC 212-36			
212																			212			
212-38	60	32	19	102	64	35	102	22	130	146	194	64	42	75	119	65. 1	25. 4	39. 7	212-38	T212	4. 9	88
212-39																			212-39			
UCT 213-40																			UC 213-40			
213	65	32	21	111	70	41	121	26	151	167	224	70	44	87	137	65. 1	25. 4	39. 7	213	T213	6. 9	88
UCT 214-44																			UC 214-44			
214	70	32	21	111	70	41	121	26	151	167	224	70	46	87	137	74. 6	30. 2	44. 4	214	T214	7. 0	98
UCT 215																			UC 215			
215-48	75	32	21	111	70	41	121	26	151	167	232	70	48	92	140	77. 8	33. 3	44. 5	215-48	T215	7. 3	98
UCT 216	80	32	21	111	70	41	121	26	165	184	235	70	51	95	140	82. 6	33. 3	49. 3	UC 216	T216	8. 2	108
UCT 217-52																			UC 217-52			
217	85	38	29	124	73	48	157	30	173	198	260	73	54	98	162	85. 7	34. 1	51. 6	217	T217	11. 0	112

Pillow Block Ball Bearings



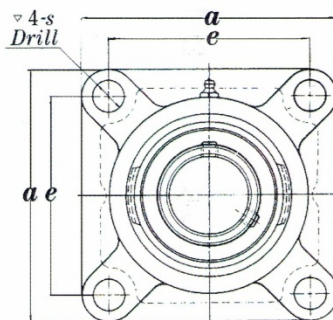
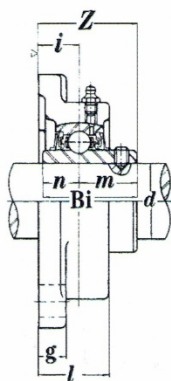
UCP 300 (heavy-duty)



Unit No.	Shaft Dia d (mm)	Dimensions(mm)											Bolt Used (mm)	Bearing No.	Housing No.	Weight (kg)	Covers (mm)	
	(mm)	h	a	e	b	S2	S1	g	w	Bi	n	m					t1	t2
UCP 305 305-16	25	45	175	132	45	20	17	16	85	38	15	23	14	UC 305 305-16	P305	1.7	76	71
UCP 306-18 306	30	50	180	140	50	20	17	19	95	43	17	26	14	UC 30-18 306	P306	2.2	82	77
UCP 307-20 307-22 307 307-23	35	56	210	160	56	25	17	21	107	48	19	29	14	UC 307-20 307-22 307 307-23	F307	3.0	88	83
UCP 308-24 308	40	60	220	170	60	27	17	23	118	52	19	33	14	UC 308-24 308	P308	3.8	96	91
UCP 309-28 309	45	67	245	190	67	30	20	25	132	57	22	35	16	UC 309-28 309	P309	4.9	102	96
UCP 310-31 310	50	75	275	212	75	35	20	28	148	61	22	39	16	UC 310-31 310	P310	6.6	110	104
UCP 311-32 311	55	80	310	236	80	38	20	31	158	66	25	41	16	UC 311-32 311	P311	7.9	114	108
UCP 312	60	85	330	250	85	38	25	33	167	71	26	45	20	UC 312	P312	9.5	124	117
UCP 313-40 313	65	90	340	260	90	38	25	36	176	75	30	45	20	UC 313-40 313	P313	10.7	122	116
UCP 314-44 314	70	95	360	280	90	40	27	40	186	78	33	45	22	UC 314-44 314	P314	12.4	124	117
UCP 315 315-48	75	100	380	290	100	40	27	40	198	82	32	50	22	UC 315 315-48	P315	14.8	134	127
UCP 316	80	106	400	300	110	40	27	40	209	86	34	52	22	UC 316	P316	18.5	138	131
UCP 317	85	112	420	320	110	45	33	45	220	96	40	56	27	UC 317	P317	20.3	146	139
UCP 318-56 318	90	118	430	330	110	45	33	50	234	96	40	56	27	UC 318-56 318	P318	22.8	150	142
UCP 319	95	125	470	360	120	50	36	50	248	103	41	62	30	UC 319	P319	29.0	162	154
UCP 320 320-64	100	140	490	380	120	50	36	55	273	108	42	66	30	UC 320 320-64	P320	35.1	174	164
UCP 322	110	150	520	400	140	55	40	60	296	117	46	71	33	UC 322	P322	44	188	176
UCP 324	120	160	570	450	140	55	40	70	316	126	51	75	33	UC 324	P324	55.4	196	184
UCP 326	130	180	600	480	140	55	40	80	355	135	54	81	33	UC 326	P326	72.1	214	202
UCP 328	140	200	620	500	140	55	40	80	393	145	59	86	33	UC 328	P328	92.5	222	212

Pillow Block Ball Bearings

UCF 300 (heavy-duty)

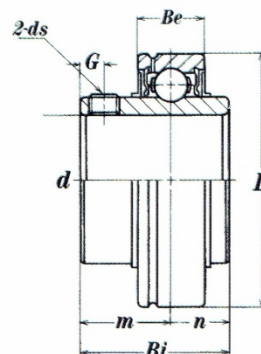
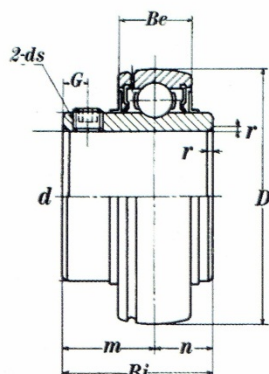


Unit No.	Shaft Dia	Dimensions(mm)											Bolt Used	Bearing No.	Housing No.	Weight (kgt)	Covers	Interchange Serise
	d (mm)	a	e	i	g	l	s	Z	Bi	n	m	(mm)	(mm)				t	
UCF 305 305-16	25	110	80	16	13	29	16	39	38	15	23	14	UC 305 305-16	F305	1. 3	54	49	
UCF 306-18 306	30	125	95	18	15	32	16	44	43	17	26	14	UC 306-18 306	F306	1. 9	59	54	
UCF 307-20 307-22 307 307-23	35	135	100	20	16	36	19	49	48	19	29	16	UC 307-20 307-22 307 307-23	F307	2. 3	64	59	
UCF 308-24 308	40	150	112	23	17	40	19	56	52	19	33	16	UC 308-24 308	F308	3. 1	71	66	
UCF 309-28 309	45	160	125	25	18	44	19	60	57	22	35	16	UC 309-28 309	F309	4. 0	76	70	
UCF 310-31 310	50	175	132	28	19	48	23	67	61	22	39	20	UC 310-31 310	F310	5. 1	83	77	
UCF 311-32 311	55	185	140	30	20	52	23	71	66	25	41	20	UC 311-32 311	F311	5. 6	87	81	
UCF 312	60	195	150	33	22	56	23	78	74	26	45	20	UC 312	F312	6. 9	95	88	
UCF 313-40 313	65	208	166	33	22	58	23	78	75	30	45	20	UC 313-40 313	F313	7. 8	94	88	
UCF 314-44 314	70	226	178	36	25	61	25	81	78	33	45	22	UC 314-44 314	F314	10. 1	98	91	
UCF 315 315-48	75	236	184	39	25	66	25	89	82	32	50	22	UC 315 315-48	F315	11. 6	106	99	
UCF 316	80	250	196	38	27	68	31	90	86	34	52	27	UC 316	F316	12. 8	107	100	
UCF 317	85	260	204	44	27	74	31	100	96	40	56	27	UC 317	F317	15. 3	117	110	
UCF 318-56 318	90	280	216	44	30	76	35	100	96	40	56	30	UC 318-56 318	F318	18. 9	119	111	
UCF 319	95	290	228	59	30	94	35	121	103	41	62	30	UC 319	F319	21. 6	140	132	
UCF 320 320-64	100	310	242	59	32	94	38	125	108	42	66	33	UC 320 320-64	F320	25. 8	146	136	
UCF 322	110	340	266	60	35	96	41	131	117	46	71	36	UC 322	F322	35. 5	154	142	
UCF 324	120	370	290	65	40	110	41	140	126	51	75	36	UC 324	F324	47. 3	163	151	
UCF 326	130	410	320	65	45	115	41	146	135	54	81	36	UC 326	F326	65. 5	172	160	
UCF 328	140	450	350	75	55	125	41	161	145	59	86	36	UC 328	F328	93. 4	186	176	

Pillow Block Ball Bearings



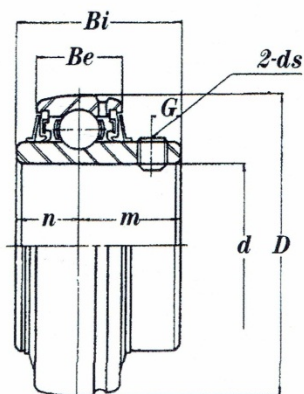
UC 200 (normal-duty)



BEARING NO.	Shaft Dia d (mm)	Dimensions(mm)							Load Rating(kgf)		Weight (kg)
		D	Bi	Be	n	m	G	ds	Dynamic	Static	
UC 201	12										0.21
201-8											0.21
202	15	47	31.0	17	12.7	18.3	5	M6x1.0	1280	750	0.19
202-10											0.19
203	17										0.18
204-12											0.16
204	20										0.16
UC 205-14											0.23
205-15	25	52	34.0	17	14.3	19.7	5.5	M6x1.0	1400	790	0.21
205											0.20
205-16											0.20
UC 206-18											0.34
206	30	62	38.1	19	15.9	22.2	6	M6x1.0	1950	1130	0.32
206-19											0.32
206-20											0.32
UC 207-20											0.54
207-21											0.51
207-22	35	72	42.9	20	17.5	25.4	6.5	M8x1.0	2570	1540	0.48
207											0.48
207-23											0.45
UC 208-24											0.68
208-25	40	80	49.2	21	19	30.2	8	M8x1.0	2910	1790	0.65
208											0.64
UC 209-26											0.78
209-27											0.74
209-28	45	85	49.2	22	19	30.2	8	M8x1.0	3270	2040	0.70
209											0.68
UC 210-30											0.87
210-31	50	90	51.6	23	19	32.6	9	M10x1.25	3510	2320	0.82
210											0.80
UC 211-32											1.26
211-34											1.15
211	55	100	55.6	24	22.2	33.4	9	M10x1.25	4330	2940	1.11
211-35											1.09
UC 212-36											1.67
212											1.54
212-38	60	110	65.1	26	25.4	39.7	10.5	M10x1.25	5240	3610	1.52
212-39											1.45
UC 213-4											1.94
213	65	120	65.1	27	25.4	39.7	12	M10x1.25	5720	4000	1.86
UC 214-44											2.06
214	70	125	74.6	29	30.2	44.4	12	M12x1.5	6220	4400	2.05
UC 215											2.21
215-48	75	130	77.8	30	33.3	44.5	12	M12x1.5	6740	4820	2.12
UC 216-50											2.79
216	80	140	82.6	32	33.3	49.3	14	M12x1.5	7260	5300	2.79
UC 217-52											3.66
217	85	150	85.7	34	34.1	51.6	14	M12x1.5	8390	6180	3.45
UC 218-56											4.46
218	90	160	96.0	36	39.7	56.3	15	M12x1.5	9600	7140	4.35

UC 300

(normal-duty)



Bearing NO.	Bore Dia of Bearing	Dimensions(mm)							Load Rating(kgf)		Weight (kg)
	d(mm)	D	Bi	Be	n	m	G	ds	Dynamic	Static	
UC 305	25	62	38	22	15	23	6	M6x1.0	2120	1090	0.45
305-16											0.44
UC 306-18	30	72	43	24	17	26	6	M6x1.0	2660	1500	0.58
306											0.56
UC 307-20	35	80	48	26	19	29	8	M8x1.0	3330	1920	0.77
307-22											0.71
307											0.71
UC 308-24	40	90	52	28	19	33	10	M10x1.25	4070	2390	1.05
308											1.00
UC 309-28	45	100	57	30	22	35	10	M10x1.25	4890	2950	1.35
309											1.33
UC 310-31	50	110	61	32	22	39	12	M12x1.5	6200	3820	1.72
310											1.69
UC 311-32	55	120	66	34	25	41	12	M12x1.5	7160	4480	2.08
311											1.90
UC 312	60	130	71	36	26	45	12	M12x1.5	8180	5200	2.60
UC 313-40	65	140	75	38	30	45	12	M12x1.5	9270	5980	3.24
313											3.16
UC 314-44	70	150	78	40	33	45	12	M12x1.5	10400	6800	3.91
314											3.90
UC 315	75	160	82	42	32	50	14	M14x1.5	11300	7690	4.70
315-48											4.61
UC 316	80	170	86	44	34	52	14	M14x1.5	12300	8640	5.60
UC 317	85	180	96	46	40	56	16	M16x1.5	13300	9650	6.90
UC 318-56	90	190	96	48	40	56	16	M16x1.5	14300	10700	8.03
318											7.87
UC 319	95	200	103	50	41	62	18	M16x1.5	15300	11800	8.91
UC 320	100	215	108	54	42	66	20	M18x1.5	17300	14100	11.2
320-64											11.0
UC 322	110	240	117	60	46	71	20	M18x1.5	20500	17900	15.1
UC 324	120	260	126	64	51	75	20	M18x1.5	20700	18500	19.0
UC 326	130	280	135	68	54	81	20	M20x1.5	22900	21400	23.6
UC 328	140	300	145	72	59	86	20	M20x1.5	25300	24600	29.4

Typical DATA

Project	Typical DATA	experimental methods
appearance	light yellow	visual inspection
Base oil	Refined mineral oil +synthetic oil	/
thickening agent	polyurea	/
viscosity (40°C)	101	GB/T265
Thixotropic Index mm (0.1mm)	249	GB/T269
Drop point°C	283	GB/T3498
Corrosion resistance (52°C, 48h) ,grade	1	SH/5018
oxidation stability kpa (99°C、100h,758Kpa)	10	SH/T0325
Stencil Separation Oil (100°C、24h) %	0.6	SH/T0324
Rain water loss(38°C、1h)%	0.9	SH/T0109
Low-temp torque (-30°C) , N.m activate torque operate torque	0.30 0.04	SH/T0338

Note: the above list data for typical representative data, not products standard specification values.

Character

Universal High-temp low noise bearing grease, polyurea thickener doesn't contain metal matrix, oxidation process in base oil has not catalyst, improve long service life of grease in the high temperature

Excellent rust resistance, grease can effectively protect itself from rust in water vapor or wet environment.

With good resistance to high temperature, oxidation stability performance.

Strict process control, has excellent low noise performance and drop vibration performance.

Comply with European Union RoHS directive requirements, does not contain the Pb and Cd, Hg, Cr6 +, PBBs, PBDEs such harmful substances.

Category

Apply to high low temperature lubrication requirements of the big ,small and medium low noise deep groove ball bearing, such as: high temperature motor, industrial fan, industrial water pump, textile machinery, auto water pumps and other bearing the lubrication requirements; Also apply to other high low temperature lubrication requirements of mechanical components.

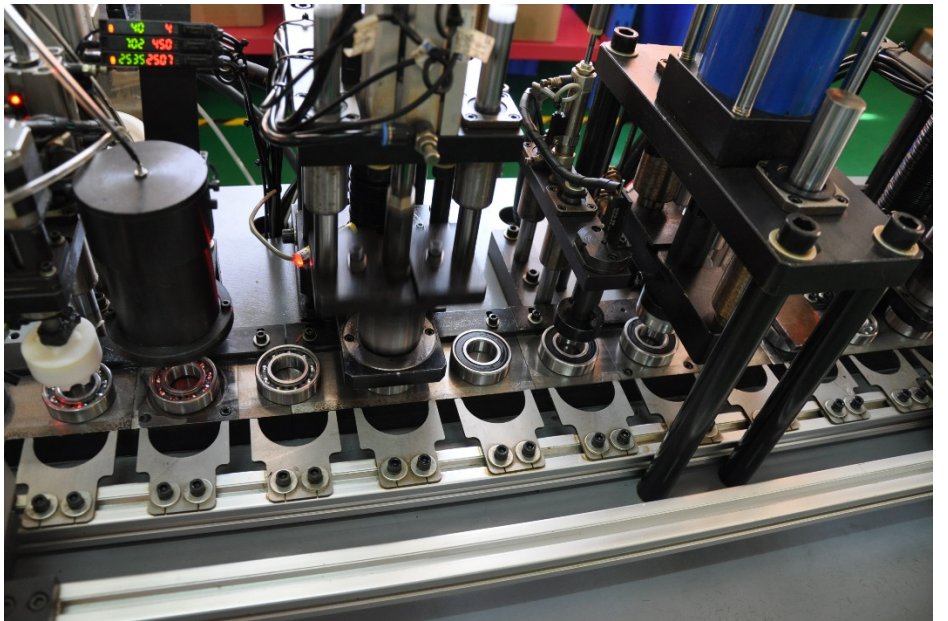
Using temperature range:-30 ~ + 180 °C

Machined components:

- ✦ **Taper forgings**
- ✦ **Ball Bearing Inner and Outer rings**
- ✦ **Clutch parts forgings**
- ✦ **Bush parts from seamless pipe**







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