

Designation		Principal dimensions (mm)			Basic load ratings (KN)		Limiting Speed		Weight (Kg)
型号		基本尺寸			基本额定载荷		极限转速		重量
Cylindrical Bore	Taper Bore	d	D	B	Dyc Cr	Stc Cor	Speed Ratings	Limiting Speed	
圆柱孔	圆锥孔				动载	静载	额定转速	极限转速	
23268CA/W33	23268CAK/W33	340	620	224	5100	7800	560	800	295
22272CA/W33	22272CAK/W33	360	650	170	4300	6200	630	850	255
23272CA/W33	23272CAK/W33	360	650	232	5400	8300	530	750	335
23176CA/W33	23176CAK/W33	380	620	194	4400	7100	560	1000	230
23276CA/W33	23276CAK/W33	380	680	240	5850	9150	500	750	375
23180CA/W33	23180CAK/W33	400	650	200	4650	7650	530	950	265
23280CA/W33	23280CAK/W33	400	720	256	6550	10400	480	670	450
22380CA/W33	22380CAK/W33	400	820	243	7500	10400	430	750	650
23084CA/W33	23084CAK/W33	420	620	150	3400	6000	600	1100	155
23284CA/W33	23284CAK/W33	420	760	272	7350	11600	450	630	535
23284CA/W33	23284CAK/W33	420	760	272	7350	11600	450	630	535
23088CA/W33	23088CAK/W33	440	650	157	3650	6550	560	1000	180
23188CA/W33	23188CAK/W33	440	720	226	6000	10000	450	850	360
23288CA/W33	23288CAK/W33	440	790	280	7800	12500	430	600	590
23992CA/W33	23992CAK/W33	460	620	118	2500	5000	600	1000	105
23092CA/W33	23092CAK/W33	460	680	163	3900	6950	560	950	205
23192CA/W33	23192CAK/W33	460	760	240	6400	10800	430	800	440
23292CA/W33	23292CAK/W33	460	830	296	8500	13700	400	560	695
23996CA/W33	23996CAK/W33	480	650	128	2900	5700	560	1000	125
23096CA/W33	23096CAK/W33	480	700	165	3900	6800	530	950	215
23196CA/W33	23196CAK/W33	480	790	248	6950	12000	400	750	485
23296CA/W33	23296CAK/W33	480	870	310	9300	15000	380	530	800
239/500CA/W33	239/500CAK/W33	500	670	128	2900	6000	530	950	130
230/500CA/W33	230/500CAK/W33	500	720	167	4150	7800	500	900	225
231/500CA/W33	231/500CAK/W33	500	830	264	7650	12900	380	700	580
232/500CA/W33	232/500CAK/W33	500	920	336	10600	17300	360	500	985
232/500CA/W33	232/500CAK/W33	500	920	336	10600	17300	360	500	985
239/530CA/W33	239/530CAK/W33	530	710	136	3200	6700	500	900	155
230/530CA/W33	230/530CAK/W33	530	780	185	5100	9300	450	800	310
231/530CA/W33	231/530CAK/W33	530	870	272	8150	14000	360	670	645
232/530CA/W33	232/530CAK/W33	530	980	355	11100	20400	300	480	1200
239/560CA/W33	239/560CAK/W33	560	750	140	3450	7200	450	850	175
230/560CA/W33	230/560CAK/W33	560	820	195	5600	10200	430	750	355
231/560CA/W33	231/560CAK/W33	560	920	280	9150	16000	340	630	740
232/560CA/W33	232/560CAK/W33	560	1030	365	11500	22000	280	430	1350
239/600CA/W33	239/600CAK/W33	600	800	150	3900	8300	430	750	220
230/600CA/W33	230/600CAK/W33	600	870	200	6000	11400	400	700	405
231/600CA/W33	231/600CAK/W33	600	980	300	10200	18000	320	560	895
232/600CA/W33	232/600CAK/W33	600	1090	388	13100	25500	260	400	1600
239/630CA/W33	239/630CAK/W33	630	850	165	4650	9800	400	700	280
230/630CA/W33	230/630CAK/W33	630	920	212	6700	12500	380	670	485
231/630CA/W33	231/630CAK/W33	630	1030	315	10500	20800	260	530	1050
239/670CA/W33	239/670CAK/W33	670	900	170	5000	10800	360	670	315
230/670CA/W33	230/670CAK/W33	670	980	230	7650	14600	340	600	600
231/670CA/W33	231/670CAK/W33	670	1090	336	10900	22400	240	500	1250
232/670CA/W33	232/670CAK/W33	670	1220	438	15400	30500	220	360	2270
239/710CA/W33	239/710CAK/W33	710	950	180	5600	12000	340	600	365
249/710CA/W33	249/710CAK30/W33	710	950	243	6800	15600	300	500	495
230/710CA/W33	230/710CAK/W33	710	1030	236	8300	16300	320	560	670
231/710CA/W33	231/710CAK/W33	710	1150	345	12200	26000	240	450	1450
232/710CA/W33	232/710CAK/W33	710	1280	450	17600	34500	200	320	2610
239/750CA/W33	239/750CAK/W33	750	1000	185	6000	13200	320	560	420
249/750CA/W33	249/750CAK30/W33	750	1000	250	7650	18000	280	480	560
230/750CA/W33	230/750CAK/W33	750	1090	250	9650	18600	300	530	795
231/750CA/W33	231/750CAK/W33	750	1220	365	13800	29000	220	430	1700
239/800CA/W33	239/800CAK/W33	800	1060	195	6400	14300	300	530	470
249/800CA/W33	249/800CAK30/W33	800	1060	258	8000	19300	260	430	640
230/800CA/W33	230/800CAK/W33	800	1150	258	10000	20000	280	480	895
231/800CA/W33	231/800CAK/W33	800	1280	375	14800	31500	200	400	1920
239/850CA/W33	239/850CAK/W33	850	1120	200	5980	15600	260	480	560
249/850CA/W33	249/850CAK30/W33	850	1120	272	8170	22800	220	400	740
230/850CA/W33	230/850CAK/W33	850	1220	272	9370	21600	240	450	1050
231/850CA/W33	231/850CAK/W33	850	1360	400	16100	34500	180	360	2200
239/900CA/W33	239/900CAK/W33	900	1180	206	6440	17000	240	450	605
230/900CA/W33	230/900CAK/W33	900	1280	280	10100	23200	220	400	1200
239/950CA/W33	239/950CAK/W33	950	1250	224	7250	19600	220	430	755
249/950CA/W33	249/950CAK30/W33	950	1250	300	9200	26000	180	340	1015
230/950CA/W33	230/950CAK/W33	950	1360	300	12000	28500	200	380	1450
249/1000CA/W33	249/1000CAK30/W33	1000	1320	315	10400	29000	170	320	1200

Designation		Principal dimensions (mm)			Basic load ratings (KN)		Limiting Speed	Weight (Kg)
型号		基本尺寸			基本额定载荷		极限转速	重量
Cylindrical Bore	Taper Bore	d	D	B	Dyc Cr	Stc Cor		
圆柱孔	圆锥孔				动载	静载		
BS2-2206-2CS	-	30	62	25	64	60	2800	0,34
BS2-2207-2CS	-	35	72	28	86,5	85	2400	0,52
BS2-2208-2CS	BS2-2208-2CSK	40	80	28	96,5	90	2200	0,57
BS2-2209-2CS	BS2-2209-2CSK	45	85	28	102	98	2000	0,66
BS2-2210-2CS	BS2-2210-2CSK	50	90	28	104	108	1900	0,70
BS2-2211-2CS	BS2-2211-2CSK	55	100	31	125	127	1700	1,00
BS2-2212-2CS	BS2-2212-2CSK	60	110	34	156	166	1600	1,30
BS2-2213-2CS	BS2-2213-2CSK	65	120	38	193	216	1500	1,60
BS2-2214-2CS	BS2-2214-2CSK	70	125	38	208	228	1400	1,80
BS2-2215-2CS	BS2-2215-2CSK	75	130	38	212	240	1300	2,10
BS2-2315-2CS	-	75	160	64	440	475	950	6,54
BS2-2216-2CS	BS2-2216-2CSK	80	140	40	236	270	1200	2,40
BS2-2217-2CS	BS2-2217-2CSK	85	150	44	285	325	1100	3,00
BS2-2218-2CS	BS2-2218-2CSK	90	160	48	325	375	1000	3,70
BS2-2220-2CS	-	100	180	55	425	490	900	5,50
BS2-2224-2CS	-	120	215	69	630	765	750	9,75

Designation		Principal dimensions (mm)			Basic load ratings (KN)		Limiting Speed		Weight (Kg)
型号		基本尺寸			基本额定载荷		极限转速		重量
Cylindrical Bore	Taper Bore	d	D	B	Dyc Cr	Stc Cor	Speed Ratings	Limiting Speed	
圆柱孔	圆锥孔				动载	静载	额定转速	极限转速	
22205E1	22205EK	25	52	18	49	44	13000	17000	0,26
22206E1	22206EK	30	62	20	64	60	10000	14000	0,29
22207E1	22207EK	35	72	23	86,5	85	9000	12000	0,45
22208E1	22208EK	40	80	23	96,5	90	8000	11000	0,53
21308E1	21308EK	40	90	23	104	108	7000	9500	0,75
22308E1	22308EK	40	90	33	150	140	6000	8000	1,05
22209E1	22209EK	45	85	23	102	98	7500	10000	0,58
21309E1	21309EK	45	100	25	125	127	6300	8500	0,99
22309E1	22309EK	45	100	36	183	183	5300	7000	1,40
22210E1	22210EK	50	90	23	104	108	7000	9500	0,63
21310E1	21310EK	50	110	27	156	166	5600	7500	1,35
22310E1	22310EK	50	110	40	220	224	4800	6300	1,90
22211E1	22211EK	55	100	25	125	127	6300	8500	0,84
21311E1	21311EK	55	120	29	156	166	5600	7500	1,70
22311E1	22311EK	55	120	43	270	280	4300	5600	2,45
22212E1	22212EK	60	110	28	156	166	5600	7500	1,15
21312E1	21312EK	60	130	31	212	240	4800	6300	2,10
22312E1	22312EK	60	130	46	310	335	4000	5300	3,10
22213E1	22213EK	65	120	31	193	216	5000	7000	1,55
21313E1	21313EK	65	140	33	236	270	4300	6000	2,55
22313E1	22313EK	65	140	48	340	360	3800	5000	3,75
22214E1	22214EK	70	125	31	208	228	5000	6700	1,55
21314E1	21314EK	70	150	35	285	325	4000	5600	3,10
22314E1	22314EK	70	150	51	400	430	3400	4500	4,55
22215E1	22215EK	75	130	31	212	240	4800	6300	1,70
21315E1	21315EK	75	160	37	285	325	4000	5600	3,75
22315E1	22315EK	75	160	55	440	475	3200	4300	5,55
22216E1	22216EK	80	140	33	236	270	4300	6000	2,10
21316E1	21316EK	80	170	39	325	375	3800	5300	4,45
22316E1	22316EK	80	170	58	490	540	3000	4000	6,60
22217E1	22217EK	85	150	36	285	325	4000	5600	2,65
21317E1	21317EK	85	180	41	325	375	3800	5300	5,20
22317E1	22317EK	85	180	60	550	620	2800	3800	7,65
22218E1	22218EK	90	160	40	325	375	3800	5300	3,40
21318E1	21318EK	90	190	43	380	450	3600	4800	6,10
22318E1	22318EK	90	190	64	610	695	2600	3600	9,05
22219E1	22219EK	95	170	43	380	450	3600	4800	4,15
21319E1	21319EK	95	200	45	425	490	3400	4500	7,05
22319E1	22319EK	95	200	67	670	765	2600	3400	10,5
22220E1	22220EK	100	180	46	425	490	3400	4500	4,90
21320E1	21320EK	100	215	47	425	490	3400	4500	8,60
22320E1	22320EK	100	215	73	815	950	2400	3000	13,5
22222E1	22222EK	110	200	53	560	640	3000	4000	7,00
22322E1	22322EK	110	240	80	950	1120	2000	2800	18,4

22224E1	22224EK	120	215	58	630	765	2800	3800	8,70
22226E1	22226EK	130	230	64	735	930	2600	3600	11,0

Designation	Principal dimensions (mm)			Weight (Kg)
轴承型号	d	D	B	重量
C4024	120	180	60	7
C4026	130	200	69	7.84
C4132V	160	270	109	10.9

Bearing No.			Boundary dimensions (mm)					Load ratings(KN)		Limiting speeds(r/min)		Mounting dimensions(mm)			Mass	Old bearing No.		
轴承代号			主要尺寸					额定负荷		极限转速		安装尺寸			质量	旧轴承代号		
NU0001 Type	NJ0001 Type	N0001 Type	d	D	B	rsmin	r1smin	Cr	Cor	Grease	Oil	da(min)	Da(max)	ra(max)	(kg)	32000 Type	42000 Type	2000 Type
NU0001型	NJ0001型	N0001型				rs最小	r1s最小	动载	静载	脂润滑	油润滑	da(最小)	Da(最大)	ra(最大)		32000型	42000型	2000型
NU1010	NJ1010	—	50	80	16	1	0.6	25	27.5	6200	8000	58	72	1.1	0.3	32110	42110	—
NU210	NJ210	N210		90	20	1.1	1.1	61.2	69.2	6000	7400	57	83	1.1	0.505	32210	42210	2210
NU2210	NJ2210	N2210		90	23	1.1	1.1	74.2	88.8	6000	7400	57	83	1.1	0.59	32510	42510	2510
NU310	NJ310	N310		110	27	2	2	105	112	5200	6600	58	102	2.0	1.2	32310	42310	2310
NU2310	NJ2310	N2310		110	40	2	2	155	185	5200	6600	58	102	2.0	1.79	32610	42610	2610
NU410	NJ410	N410		130	31	2.1	2.1	120	120	4800	6000	59	121	2.0	2.3	32410	42410	2410
NU1011	NJ1011	—	55	90	18	1.1	1	35.8	40	5600	7000	63	83	1.1	0.45	32111	42111	—
NU211	NJ211	N211		100	21	1.5	1.1	80.2	95.5	5200	6600	62	93	1.1	0.68	32211	42211	2211
NU2211	NJ2211	N2211		100	25	1.5	1.1	94.8	118	5200	6600	62	93	1.1	0.81	32511	42511	2511
NU311	NJ311	N311		120	29	2	2	128	138	4800	6000	64	111	2.0	1.53	32311	42311	2311
NU2311	NJ2311	N2311		120	43	2	2	190	228	4800	6000	64	111	2.0	2.28	32611	42611	2611
NU411	NJ411	N411		140	33	2.1	2.1	128	132	4200	5400	64	131	2.0	2.8	32411	42411	2411
NU1012	NJ1012	—	60	95	18	1.1	1	38.5	45	5200	6700	67	88	1.5	0.48	32112	42112	—
NU212	NJ212	N212		110	22	1.5	1.5	89.8	102	5000	6400	68	102	1.5	0.86	32212	42212	2212
NU2212	NJ2212	N2212		110	28	1.5	1.5	122	152	5000	6400	68	102	1.5	1.12	32512	42512	2512
NU312	NJ312	N312		130	31	2.1	2.1	142	155	4400	5600	69	121	2.1	1.87	32312	42312	2312
NU2312	NJ2312	N2312		130	46	2.1	2.1	212	260	4400	5600	69	121	2.1	2.81	32612	42612	2612
NU412	NJ412	N412		150	35	2.1	2.1	155	162	4000	5000	70	140	2.1	3.4	32412	42412	2412
NU1013	NJ1013	—	65	100	18	1.1	1	39	46.5	4800	6000	72	93	1.5	0.51	32113	—	—
NU213	NJ213	N213		120	23	1.5	1.5	102	118	4600	5600	73	112	1.5	1.08	32213	42213	2213
NU2213	NJ2213	N2213		120	31	1.5	1.5	142	180	4600	5600	73	112	1.5	1.48	32513	42513	2513
NU313	NJ313	N313		140	33	2.1	2.1	170	188	4000	5000	74	131	2.1	2.31	32313	42313	2313
NU2313	NJ2313	N2313		140	48	2.1	2.1	235	285	4000	5000	74	131	2.1	3.34	32613	42613	2613
NU413	NJ413	N413		160	37	2.1	2.1	170	178	3800	4800	75	150	2.1	4	32413	42413	2413
NU1014	NJ1014	—	70	110	20	1.1	1	47.5	57	4800	6000	78	102	1.5	0.71	32114	42114	—
NU214	NJ214	N214		125	24	1.5	1.5	112	135	4200	5400	78	117	1.5	1.2	32214	42214	2214
NU2214	NJ2214	N2214		125	31	1.5	1.5	148	192	4300	5400	78	117	1.5	1.56	32514	42514	2514
NU314	NJ314	N314		150	35	2.1	2.1	195	220	3900	4800	80	140	2.1	2.86	32314	42314	2314
NU2314	NJ2314	N2314		150	51	2.1	2.1	260	320	3900	4800	80	140	2.1	4.1	32614	42614	2614
NU414	NJ414	N414		180	42	3	3	215	232	3400	4500	81	169	2.1	5.9	32414	42414	2414
NU1015	NJ1015	—	75	115	20	1.1	1	51.5	61.2	4400	5600	83	107	1.5	0.74	32115	42115	—
NU215	NJ215	N215		130	25	1.5	1.5	125	155	3900	5100	83	122	1.5	1.32	32215	42215	2215
NU2215	NJ2215	N2215		130	31	1.5	1.5	155	205	3900	5100	83	122	1.5	1.64	32515	42515	2515
NU315	NJ315	N315		160	37	2.1	2.1	228	260	3600	4500	85	150	2.1	3.43	32315	42315	2315
NU2315	NJ2315	N2315		160	55	2.1	2.1	245	308	3600	4500	85	150	2.1	5.4	32615	42615	2615
NU415	NJ415	N415		190	45	3	3	250	272	3200	4000	87	178	2.1	7.1	32415	42415	2415
NU1016	NJ1016	—	80	125	22	1.1	1	59.2	77.8	4200	5400	88	117	2.0	1	32116	42116	—
NU216	NJ216	N216		140	26	2	2	132	165	3800	4800	89	131	2.0	1.58	32216	42216	2216
NU2216	NJ2216	N2216		140	33	2	2	178	242	3800	4800	89	131	2.0	2.05	32516	42516	2516
NU316	NJ316	N316		170	39	2.1	2.1	245	282	3500	4400	91	159	2.1	4.05	32316	42316	2316
NU2316	NJ2316	N2316		170	58	2.1	2.1	258	328	3500	4400	91	159	2.1	6.4	32616	42616	2616

NU416	NJ416	N416		200	48	3	3	285	315	3000	4000	110	122	2.1	8.3	32416	42416	2416
NU1017	NJ1017	—	85	130	22	1.1	1	64.5	81.6	4000	5000	94	122	2.0	1.05	32117	42117	—
NU217	NJ217	N217		150	28	2	2	158	192	3600	4600	94	141	2.0	2	32217	42217	2217
NU2217	NJ2217	N2217		150	36	2	2	205	272	3600	4600	94	141	2.0	2.58	32517	42517	2517
NU317	NJ317	N317		180	41	3	3	280	332	3100	4000	96	169	3.0	4.82	32317	42317	2317
NU2317	NJ2317	N2317		180	60	3	3	295	380	3100	4000	96	169	3.0	7.4	32617	42617	2617
NU417	NJ417	N417		210	52	4	4	312	345	2900	3800	97	198	3.0	9.8	32417	42417	2417
NU1018	NJ1018	—	90	140	24	1.5	1.1	74	94.8	3800	4800	101	131	2.0	1.36	32118	42118	—
NU218	NJ218	N218		160	30	2	2	172	215	3400	4300	100	150	2.0	2.44	32218	42218	2218
NU2218	NJ2218	N2218		160	40	2	2	230	312	3400	4300	100	150	2.0	3.26	32518	42518	2518
NU318	NJ318	N318		190	43	3	3	298	348	3000	3800	102	178	3.0	5.59	32318	42318	2318
NU2318	NJ2318	N2318		190	64	3	3	310	395	3000	3800	102	178	3.0	8.4	32618	42618	2618
NU418	NJ418	N418		225	54	4	4	352	392	2500	3200	102	213	3.0	11	32418	42418	2418
NU1019	NJ1019	—	95	145	24	1.5	1.1	75.5	98.5	3600	4500	104	136	2.0	1.4	32119	42119	—
NU219	NJ219	N219		170	32	2.1	2.1	208	262	3200	4000	105	160	2.1	2.96	32219	42219	2219
NU2219	NJ2219	N2219		170	43	2.1	2.1	275	368	3200	4000	105	160	2.1	3.97	32519	42519	2519
NU319	NJ319	N319		200	45	3	3	315	380	2900	3700	107	188	3.0	6.52	32319	42319	2319
NU2319	NJ2319	N2319		200	67	3	3	370	500	2900	3700	107	188	3.0	10.4	32619	42619	2619
NU419	NJ419	N419		240	55	4	4	378	428	2200	3000	109	226	3.0	14	32419	42419	2419
NU1020	NJ1020	—	100	150	24	1.5	1.1	78	102	3400	4400	109	141	2.0	1.5	32120	42120	—
NU220	NJ220	N220		180	34	2.1	2.1	235	302	3000	3900	111	169	2.1	3.58	32220	42220	2220
NU2220	NJ2220	N2220		180	46	2.1	2.1	318	440	3000	3900	111	169	2.1	4.86	32520	42520	2520
NU320	NJ320	N320		215	47	3	3	365	425	2600	3300	113	202	3.0	7.89	32320	42320	2320
NU2320	NJ2320	N2320		215	73	3	3	415	558	2600	3300	113	202	3.0	13.5	32620	42620	2620
NU420	NJ420	N420		250	58	4	4	418	480	2000	2800	114	236	3.0	16	32420	42420	2420
NU1021	NJ1021	—	105	160	26	2	1.1	91.5	122	3200	4000	115	150	2.0	1.9	32121	42121	—
NU221	NJ221	N221		190	36	2.1	2.1	185	235	2800	3700	116	179	2.0	4	32221	42221	2221
NU321	NJ321	N321		225	49	3	3	322	392	2200	3000	117	213	2.0	9.8	32321	42321	2321
NU421	NJ421	N421		260	60	4	4	508	602	1900	2800	119	246	2.0	18	32421	42421	2421
NU1022	NJ1022	—	110	170	28	2	1.1	115	155	3000	3800	120	160	2.0	2.3	32122	42122	2122
NU222	NJ222	N222		200	38	2.1	2.1	278	360	2600	3500	111	189	2.1	5.02	32222	42222	2222
NU2222	NJ2222	N2222		200	53	2.1	2.1	312	445	2600	3500	111	189	2.1	7.5	32522	42522	2522
NU322	NJ322	N322		240	50	3	3	352	428	2000	2800	124	226	3.0	11	32322	42322	2322
NU2322	NJ2322	N2322		240	80	3	3	535	740	2000	2800	124	226	3.0	17.5	32622	42622	2622
NU422	NJ422	N422		280	65	4	4	515	602	1800	2500	122	268	3.0	22	32422	42422	2422
NU1024	NJ1024	—	120	180	28	2	1.1	130	168	2600	3500	131	169	2.0	2.96	32124	42124	—
NU224	NJ224	N224		215	40	2.1	2.1	322	422	2200	3000	132	203	2.1	6.11	32224	42224	2224
NU2224	NJ2224	N2224		215	58	2.1	2.1	345	522	2200	3000	132	203	2.1	9.5	32524	42524	2524
NU324	NJ324	N324		260	55	3	3	440	552	2000	2600	134	246	3.0	14	32324	42324	2324
NU2324	NJ2324	N2324		260	86	3	3	632	868	2000	2600	134	246	3.0	22.5	32624	42624	2624
NU424	NJ424	N424		310	72	5	5	642	772	1800	2400	133	297	3.0	30	32424	42424	2424
NU1026	NJ1026	—	130	200	33	2	1.1	152	212	2400	3200	141	189	2.0	3.7	32126	42126	—
NU226	NJ226	N226		230	40	3	3	258	352	2100	3000	142	218	3.0	7	32226	42226	2226
NU2226	NJ2226	N2226		230	64	3	3	368	552	2100	3000	142	218	3.0	11.5	32526	42526	2526
NU326	NJ326	N326		280	58	4	4	492	620	1800	2400	142	268	3.0	18	32326	42326	2326
NU2326	NJ2326	N2326		280	93	4	4	748	1060	1800	2400	142	268	3.0	28.5	32626	42626	2626
NU426	NJ426	N426		340	78	5	5	782	942	1550	2000	146	324	3.0	39	32426	42426	2426
NU1028	NJ1028	—	140	210	33	2	1.1	158	220	2100	3000	153	197	2.0	4	32128	42128	—
NU228	NJ228	N228		250	42	3	3	302	415	1850	2400	153	237	3.0	9.1	32228	42228	2228
NU2228	NJ2228	N2228		250	68	3	3	438	700	1850	2400	153	237	3.0	15	32528	42528	2528

NU328	NJ328	N328		300	62	4	4	545	690	1700	2000	153	287	3.0	22	32328	42328	2328
NU2328	NJ2328	N2328		300	102	4	4	825	1180	1700	2000	153	287	3.0	37	32628	42628	2628
NU428	NJ428	N428		360	82	5	5	845	1020	1400	1800	156	344	3.0	48	32428	42428	2428
NU1030	NJ1030	—	150	225	35	2.1	1.5	188	268	2000	2600	162	213	2.0	4.8	32130	42130	—
NU230	NJ230	N230		270	45	3	3	360	490	1700	2200	164	211	3.0	11	32230	42230	2230
NU2230	NJ2230	N2230		270	73	3	3	530	772	1700	2200	164	211	3.0	17	32530	42530	2530
NU330	NJ330	N330		320	65	4	4	595	765	1600	2000	164	256	3.0	26	32330	42330	2330
NU2330	NJ2330	N2330		320	108	4	4	930	1340	1600	2000	164	256	3.0	45	32630	42630	2630
NU430	NJ430	N430		380	85	5	5	912	1100	1400	1800	166	364	3.0	53	32430	43430	2430
NU1032	NJ1032	—	160	240	38	2.1	1.5	212	302	1900	2500	174	226	2.0	6	32132	42132	—
NU232	NJ232	N232		290	48	3	3	405	552	1600	2200	173	191	3.0	14	32232	42232	2232
NU2232	NJ2232	N2232		290	80	3	3	590	898	1600	2200	173	191	3.0	25	32532	42532	2532
NU332	NJ332	N332		340	68	4	4	628	825	1450	1900	176	324	3.0	31.6	32332	42332	2332
NU2332	NJ2332	N2332		340	114	4	4	972	1430	1450	1900	176	324	3.0	55.8	32632	42632	2632
NU1034	NJ1034	—	170	260	42	2.1	2.1	255	365	1700	2200	181	249	2.0	8.14	32134	42134	—
NU234	NJ234	N234		310	52	4	4	425	650	1500	1900	186	294	3.0	17.1	32234	42234	2234
NU334	NJ334	N334		360	72	4	4	715	952	1400	1700	186	344	3.0	36	32334	42334	2334
NU2334	NJ2334	N2334		360	120	4	4	1110	1650	1400	1700	186	344	3.0	63	32634	42634	2634
NU1036	NJ1036	—	180	280	46	2.1	2.1	300	438	1600	2200	191	269	2.0	10.1	32136	42136	—
NU236	NJ236	N236		320	52	4	4	425	650	1500	2800	196	304	3.0	18	32236	42236	2236
NU336	NJ336	N336		380	75	4	4	835	1100	1300	1600	196	364	3.0	42	32336	42336	2336
NU2336	NJ2336	N2336		380	126	4	4	1210	1780	1300	1600	196	364	3.0	71.2	32636	42636	2636
NU1038	NJ1038	—	190	290	46	2.1	2.1	335	495	1500	1900	201	279	2.0	11	32138	42138	—
NU238	NJ238	N238		340	55	4	4	512	745	1200	1800	206	324	3.0	23	32238	42238	2238
NU2238	NJ2238	N2238		340	92	4	4	975	1570	1200	1800	206	324	3.0	38.5	32538	42538	2538
NU338	NJ338	N338		400	78	5	5	882	1190	1100	1600	210	380	4.0	50	32338	42338	2338
NU1040	NJ1040	—	200	310	51	2.1	2.1	408	615	1400	2000	211	299	3.0	14.3	32140	42140	—
NU240	NJ240	N240		360	58	4	4	570	842	1300	1600	216	344	3.0	26	32240	42240	2240
NU2240	NJ2240	N2240		360	98	4	4	1120	1725	1300	1600	216	344	3.0	48	32540	42540	2540
NU340	NJ340	N340		420	80	5	5	972	1290	1100	1400	220	400	4.0	57	32340	42340	2340
NU1044	NJ1044	—	220	340	56	3	3	448	685	1200	1600	233	327	3.0	19	32144	42144	—
NU244	NJ244	N244		400	65	4	4	702	1050	1000	1400	236	384	3.0	36	32244	42244	2244
NU2244	NJ2244	N2244		400	108	4	4	1360	2330	1000	1400	236	384	3.0	62	32544	42544	2544
NU344	NJ344	—		460	88	5	5	1080	1465	950	1200	240	440	4.0	75	32344	42344	2344
NU1048	NJ1048	—	240	360	56	3	3	470	745	1000	1400	253	347	3.0	21	32148	42148	—
NU248	NJ248	N248		440	72	4	4	880	1345	950	1200	256	424	3.0	48.2	32248	42248	2248
NU348	NJ348	—		500	95	5	5	1290	1810	800	1100	260	480	4.0	97.1	32348	42348	—
NU1052	NJ1052	—	260	400	65	4	4	592	932	1000	1300	276	384	3.0	31	32152	42152	—
NU1056	NJ1056	—	280	420	65	4	4	600	965	900	1200	296	404	3.0	33	32156	42156	—
NU1060	NJ1060	—	300	460	74	4	4	880	1470	800	1100	316	444	3.0	44.4	32160	42160	—
NU260	NJ260	—		540	85	5	5	1360	2190	700	950	320	520	3.0	87.2	32260	42260	—

Bearing Number	Principal dimensions (mm)			Weight(Kg)
型号	基本尺寸 (mm)			重量
	d	D	B	
SB-22205-W33-SS	25	52	18	0.18
SB-22206-W33-SS	30	62	20	0.28
SB-22207-W33-SS	35	72	23	0.43
SB-22208-W33-SS	40	80	23	0.52
SB-22209-W33-SS	45	85	23	0.58
SB-22210-W33-SS	50	90	23	0.68
SB-22211-W33-SS	55	100	25	0.85
SB-22212-W33-SS	60	110	28	1.83
SB-22213-W33-SS	65	120	1	1.63
SB-22214-W33-SS	70	120	31	1.83
SB-22215-W33-SS	75	130	31	1.63
SB-22217-W33-SS	85	150	36	3.00
SB-22218-W33-SS	90	160	40	3.70
SB-22219-W33-SS	95	170	43	4.30
SB-22220-W33-SS	100	180	46	5.00
SB-22222-W33-SS	110	220	53	7.40
SB-22224-W33-SS	120	225	58	9.20
SB-22308-W33-SS	40	90	33	1.35
SB-22309-W33-SS	45	110	36	1.41

Bearing Type	Dynamic Capacity KN	Static Capacity KN	Bore Tolerance in.	O.D. Tolerance in.	C4 F80 Min. in.	Clearance Group Max in.
型号	动载	静载	内径公差	外径公差	最低游隙	最大游隙
22310MAC4F80W33	195	220	0-0.007	-0.005 -0.013	0.085	0.100
22311MAC4F80W33	220	255	0-0.009	-0.005 -0.013	0.100	0.120
22312MAC4F80W33	260	310	0-0.009	-0.005 -0.013	0.100	0.120
22313MAC4F80W33	280	330	0-0.009	-0.005 -0.013	0.100	0.120
22314MAC4F80W33	375	455	0-0.009	-0.005 -0.013	0.120	0.145
22315MAC4F80W33	380	475	0-0.009	-0.005 -0.018	0.120	0.145
22316MAC4F80W33	410	500	0-0.012	-0.005 -0.018	0.120	0.145
22317MAC4F80W33	460	570	0-0.023	-0.005 -0.018	0.150	0.180
22318MAC4F80W33	570	730	0-0.012	-0.010 -0.023	0.150	0.180
22319MAC4F80W33	570	740	0-0.012	-0.010 -0.023	0.150	0.180
22320MAC4F80W33	670	880	0-0.012	-0.010 -0.023	0.150	0.180
22322MAC4F80W33	815	1080	0-0.012	-0.010 -0.023	0.180	0.210
22324MAC4F80W33	930	1230	0-0.012	-0.010 -0.023	0.180	0.210
22326MAC4F80W33	1080	1450	0-0.015	-0.010 -0.023	0.205	0.240
22328MAC4F80W33	1240	1720	0-0.015	-0.010 -0.023	0.205	0.240
22330MAC4F80W33	1400	1940	0-0.015	-0.013 -0.028	0.240	0.280
22332MAC4F80W33	1520	2160	0-0.015	-0.013 -0.028	0.240	0.280
22334MAC4F80W33	1690	2380	0-0.015	-0.013 -0.028	0.260	0.310
22336MAC4F80W33	1900	2700	0-0.015	-0.013 -0.028	0.260	0.310

Code No.	Cage Type	Size			Lood Ratings		RPM	
型号	保持器	尺寸			载荷		转速	
		d	D	d/B	Cr	Cor	Grease	Oil
		mm			KN		脂润滑 (r/min)	油润滑 (r/min)
BS2B248180	nylon	100	165	52/65	330	520	1800	2300
534176	brass	110	180	69/82	472	798	1800	2200
540626AA	brass	100	150	50/62	352	560	1400	1500
801215A	nylon	100	160	61/66	400	610	1600	1900
801806	nylon	100	180	74/82	458	775	1800	2200
804182	nylon	110	180	69/82	472	798	1800	2200
804312A	steel	120	215	58/80	484	698	1400	1800
809281	steel	120	215	76/98	750	1000	1400	1800
809281	nylon	120	215	76/98	750	1000	1400	1800
400365	nylon	100	160	61/66	400	610	1600	1900

Bearing Dimensions										
Part Number	A Bore Diameter	B Outside Diameter	C Bearing Width	D	E	H	J	R	r	Approx. Weight
型号	孔径	外径	轴承宽度							近似重量
A22100M	1.0000	2.3750	1.0880	1.31	2.00	1.1880	1.1880	0.046	0.046	1.00
A22112M	1.1250	2.3750	1.0880	1.31	2.00	1.1880	1.1880	0.046	0.046	1.00
A22118M	1.1875	2.6250	1.3120	1.50	2.31	1.3120	1.3120	0.046	0.062	1.00
A22125M	1.2500	2.6250	1.3120	1.50	2.31	1.3120	1.3120	0.046	0.062	1.00
A22137M	1.3775	2.8345	1.3100	1.68	2.50	1.3100	1.3100	0.046	0.062	1.70
A22150M	1.5000	2.8345	1.3100	1.68	2.50	1.3100	1.3100	0.046	0.062	1.70
A22177M	1.7712	3.3464	1.5780	2.00	2.87	1.5780	1.5780	0.080	0.062	1.70
A22196M	1.9680	3.5433	1.5260	2.25	3.18	1.5260	1.5260	0.062	0.078	2.40
A23196M	1.9680	3.9370	1.6560	2.50	3.50	1.6560	1.6560	0.093	0.062	2.40
A23200M	2.0000	3.9370	1.6560	2.50	3.50	1.6560	1.6560	0.093	0.062	4.00
A23225M	2.2500	3.9370	1.6560	2.50	3.50	1.6560	1.6560	0.093	0.062	4.00
A24196M	1.9680	4.3299	2.0620	2.18	3.83	2.0620	2.0620	0.062	0.080	4.00
A24236M	2.3616	4.3307	1.7500	2.68	3.87	1.7500	1.7500	0.062	0.078	4.00
A23262M	2.6250	5.0000	2.1880	2.90	4.44	2.1880	2.1880	0.078	0.078	6.70
A22275M	2.7500	5.1172	2.1250	3.31	4.57	2.1500	2.1500	0.080	0.078	9.50
A22295M	2.9522	5.1172	2.1250	3.31	4.57	2.1500	2.1500	0.140	0.078	9.50
A23334M	3.3457	5.9045	2.3130	3.75	5.31	2.3130	2.3130	0.078	0.125	9.50
A22343M	3.4375	6.0000	2.7500	4.00	5.43	2.7500	2.7500	0.078	0.125	15.00
A22351M	3.5100	6.0000	2.7500	4.00	5.43	2.7500	2.7500	0.078	0.125	15.00
A22362M	3.6250	6.0000	2.7500	4.00	5.45	2.7500	2.7500	0.078	0.125	15.00

Bearing No.	Dimensions			Load ratings(KN)		Limiting speeds(r/min)		Mounting dimensions(mm)			Mass(Kg)
型号	尺寸			载荷		转速		安装尺寸			重量 ≈
	d	D	B	Cr	Cor	Grease	Oil	da	Da	ra	
						脂	油	min	max	max	
21304	20	52	15	32	32	6100	7500	27	45	1	0.165
21305	25	62	17	42	45	5400	6800	32	55	1	0.245
21306	30	72	19	58	64	4400	5800	37	65	1	0.425
21307	35	80	21	65	75	4200	5400	44	71	1.5	0.523
21308	40	90	23	89	99	3800	4500	49	81	1.5	0.75
21309	45	100	25	106	118	3400	3800	54	91	1.5	1.03
21311	55	120	29	146	175	2800	3400	65	110	2	1.68
21312	60	130	31	167	201	2600	3300	72	118	2.1	2
21313	65	140	33	188	235	2400	3200	77	128	2.1	2.57
21314	70	150	35	218	276	2200	2900	82	138	2.1	3.2
21315	75	160	37	245	311	2000	2800	87	148	2.1	3.76
21316	80	170	39	268	359	2000	2400	92	158	2.1	4.81
21317	85	180	41	307	397	1800	2200	99	166	2.5	5.3
21318	90	190	43	330	433	1600	2200	104	176	2.5	6.2
21319	95	200	45	366	500	1700	2200	109	186	2.5	7.1
21320	100	215	47	397	546	1600	2000	114	201	2.5	8.9
21321	105	225	49	420	575	1500	1900	119	211	2.5	10.1
21322	110	240	50	460	635	1400	1800	124	226	2.5	11.82

Designation	Shaft dia.	Bearing basic load rating											Set screw size	Mass	Calculation factors			
	轴径	轴承基本额定负荷													固定螺丝尺寸	重量	计算因素	
	da	D	B	L	dynamic	Static	b	B1	B2	d1	K	d2	e	Y1			Y2	Y0
型号	in	mm	mm	in	C	Co							in	lb				
476208B-107	1 7/16	80	23	2 3/4	16600	18300	219	5/8	2 3/8	1.908	1	2 3/8	3/8-24×1/2	2.5	0.28	2.4	3.6	2.5
476208B-108	1 1/2	80	23	2 3/4	16600	18300	219	5/8	2 3/8	1.908	1	2 3/8	3/8-24×1/2	2.45	0.28	2.4	3.6	2.5
476209B-111	1 11/16	85	23	2 7/8	17300	19800	219	5/8	2 3/8	2.157	1	2 5/8	3/8-24×1/2	2.75	0.26	2.6	3.9	2.5
476209B-112	1 3/4	85	23	2 7/8	17300	19800	219	5/8	2 3/8	2.157	1	2 5/8	3/8-24×1/2	2.70	0.26	2.6	3.9	2.5
476210B-115	1 15/16	90	23	2 7/8	19000	22500	219	5/8	2 15/32	2.357	1	2 7/8	3/8-24×1/2	2.90	0.24	2.8	4.2	2.8
476210B-200	2	90	23	2 7/8	19000	22500	219	5/8	2 15/32	2.357	1	2 7/8	3/8-24×1/2	2.80	0.24	2.8	4.2	2.8
476211B-203	2 3/16	100	25	3 1/8	22400	26500	219	3/4	2 23/32	2.600	1 1/8	3 1/4	3/8-243/8-24×1/2	3.9	0.24	2.8	4.2	2.8
476213B-207	2 7/16	120	31	3 3/8	33300	41100	219	7/8	2 15/16	3.088	1 1/4	4	1/2-20×3/4	6.75	0.24	2.8	4.2	2.8
476213B-208	2 1/2	120	31	3 3/8	33300	41100	219	7/8	2 15/16	3.088	1 1/4	4	1/2-20×3/4	6.75	0.24	2.8	4.2	2.8
476215B-211	2 11/16	130	31	3 5/8	35500	46800	219	7/8	3 1/16	3.491	1 1/4	4 1/2	1/2-20×7/8	9.35	0.22	3	4.6	2.8
476215B-212	2 3/4	130	31	3 5/8	35500	46800	219	7/8	3 1/16	3.491	1 1/4	4 1/2	1/2-20×7/8	9.35	0.22	3	4.6	2.8
476215B-215	2 15/16	130	31	3 5/8	35500	46800	219	7/8	3 1/16	3.491	1 1/4	4 1/2	1/2-20×7/8	9.35	0.22	3	4.6	2.8
476215B-300	3	130	31	3 5/8	35500	46800	219	7/8	3 1/16	3.491	1 1/4	4 1/2	1/2-20×7/8	9.35	0.22	3	4.6	2.8
476218-307	3 7/16	160	40	4 1/32	56900	76400	219	7/8	3 15/32	4.224	1 7/16	5 1/8	1/2-20×7/8	13.5	0.23	2.9	4.4	2.8
476218-308	3 1/2	160	40	4 1/32	56900	76400	219	7/8	3 15/32	4.224	1 7/16	5 1/8	1/2-20×7/8	13.5	0.23	2.9	4.4	2.8
476220B-311	3 11/16	180	46	4 18/32	69900	93300	328	1	3 15/16	4.650	1 5/8	6	5/8-18×1	19.5	0.24	2.8	4.2	2.8
476220B-315	3 15/16	180	46	4 18/32	69900	93300	328	1	3 15/16	4.650	1 5/8	6	5/8-18×1	19.5	0.24	2.8	4.2	2.8
476220B-400	4	180	46	4 18/32	69900	93300	328	1	3 15/16	4.650	1 5/8	6	5/8-18×1	19.5	0.24	2.8	4.2	2.8
476222B-407VSB	4 7/16	200	53	6 1/8	91700	126000	328	1	5 1/8	5.029	3 1/16	6 1/8	5/8-18×7/8	29.5	0.25	2.7	4	2.5
476222B-408VSB	4 1/2	200	53	6 1/8	91700	126000	328	1	5 1/8	5.029	3 1/16	6 1/8	5/8-18×7/8	29.5	0.25	2.7	4	2.5
476226B-415VSB	4 15/16	230	64	6 5/8	123000	180000	438	1	5 5/8	5.819	3 5/16	6 7/8	5/8-18×7/8	46.5	0.26	2.6	3.9	2.5



► **Spherical roller bearings**

Spherical roller bearings has two rows of rollers, mainly supporting the radial load, but also can bear axial load from any direction. With strong radial load capacity, spherical roller bearings are especially qualified of heavy duty or vibration load work, but can not bear the pure axial load. The outer ring of this kind of bearing spherical, which leads to better self-aligning performance and compensate for coaxial error.

调心滚子轴承具有两列滚子，主要承受径向载荷，同时也能承受任一方向的轴向载荷。有高的径向载荷能力，特别适用于重载或振动载荷下工作，但不能承受纯轴向载荷。该类轴承外圈滚道是球面形，故其调心性能良好，能补偿同轴度误差

Bearing No.	Dimensions			Load ratings(KN)		Limiting		Mounting dimensions(mm)			Mass(Kg)
型号	尺寸			载荷		转速		安装尺寸			重量
	d	D	B	Cr	Cor	Grease 脂	Oil 油	da min	Da max	ra max	≈
23218	90	160	52.4	335	492	1800	2400	100	150	2.0	4.62
23220	100	180	60.3	428	637	1800	2300	112	168	2.1	6.82
23222	110	200	69.8	530	809	1500	1800	122	188	2.1	9.80
23224	120	215	76	620	968	1400	1800	132	203	2.1	11.80
23226	130	230	80	708	1092	1200	1600	144	216	2.5	13.95
23228	140	250	88	826	1320	1000	1500	154	236	2.5	18.60
23230	150	270	96	963	1560	950	1400	164	256	2.5	23.96
23232	160	290	104	1112	1810	950	1200	174	276	2.5	29.30
23234	170	310	110	1200	2030	800	1100	180	292	3.0	34.90
23236	180	320	112	1280	2170	1000	1300	198	302	3.0	37.95
23238	190	340	120	1450	2490	700	1000	208	322	3.0	46.10
23240	200	360	128	1650	2870	750	1000	218	342	3.0	55.30
23244	220	400	144	2130	3720	670	900	238	382	3.0	78.30
23248	240	440	160	2560	4620	630	800	258	422	3.0	108.1



Bearing No.	Dimensions			Load ratings(KN)		Limiting speeds(r/min)		Mass(Kg)
型号	尺寸			载荷		转速		重量
	d	D	B	Cr	Cor	Grease 脂	Oil 油	≈
23936	180	250	52	431	830	1700	2200	7.9
23938	190	260	52	414	800	1700	2200	8.30
23940	200	280	60	546	1040	1600	2000	11.50
23944	220	300	60	546	1060	1500	1900	12.50
23948	240	320	60	564	1160	1300	1700	13.50
23952	260	360	75	880	1800	1100	1500	23.50
23956	280	380	75	845	1760	1000	1400	25.00
23960	280	420	90	1200	2500	950	1300	39.50
23964	320	440	90	1240	2700	900	1200	42.00



► **Spherical roller bearings**

Spherical roller bearings has two rows of rollers, mainly supporting the radial load, but also can bear axial load from any direction. With strong radial load capacity, spherical roller bearings are especially qualified of heavy duty or vibration load work, but can not bear the pure axial load. The outer ring of this kind of bearing spherical, which leads to better self-aligning performance and compensate for coaxial error.

调心滚子轴承具有两列滚子，主要承受径向载荷，同时也能承受任一方向的轴向载荷。有高的径向载荷能力，特别适用于重载或振动载荷下工作，但不能承受纯轴向载荷。该类轴承外圈滚道是球面形，故其调心性能良好，能补偿同轴度误差

Bearing No.	Dimensions			Load ratings(KN)		Limiting speeds(r/min)		Mounting dimensions(mm)			Mass(Kg)
型号	尺寸			载荷		转速		安装尺寸			重量
	d	D	B	Cr	Cor	Grease 脂	Oil 油	da min	Da max	ra max	≈
22308	40	90	33	124	142	4100	5000	49	81	1.5	1.06
22309	45	100	36	146	175	6300	4500	54	91	1.5	1.42
22310	50	110	40	180	216	3200	4300	60	100	2	1.89
22311	55	120	43	214	258	3200	3800	65	110	2.1	2.42
22312	60	130	46	245	294	2800	3500	72	118	2.1	3
22313	65	140	48	268	324	2500	3300	77	128	2.1	3.6
22314	70	150	51	301	373	2000	2700	82	138	2.1	4.4
22315	75	160	55	352	451	2200	3000	87	148	2.1	5.43
22316	80	170	58	397	513	2000	2800	92	158	2.1	6.23
22317	85	180	60	433	556	2000	2500	99	166	2.5	7.5
22318	90	190	64	489	641	1800	2200	104	176	2.5	8.85
22319	95	200	67	536	709	1500	2000	109	186	2.5	10.2
22320	100	215	73	626	840	1500	1900	114	201	2.5	13.4
22322	110	240	80	716	963	1400	1600	124	226	2.5	18.25
22324	120	260	86	847	1154	1300	1600	134	246	2.5	22.3
22326	130	280	93	970	1340	1000	1500	148	262	3	29.06
22328	140	300	102	1140	1620	900	1300	158	282	3	36.4
22330	150	320	108	1270	1850	850	1200	168	302	3	42.8
22332	160	340	114	1070	1820	800	1000	178	322	3	50.2
22334	170	360	120	1180	2120	800	1000	188	342	3	59.6
22336	180	380	126	1290	2330	700	950	198	362	3	69.85
22338	190	400	132	1430	2600	650	850	212	378	4	80.9
22240	200	420	138	1530	2800	650	800	222	398	4	93.5



► **Spherical roller bearings**

Spherical roller bearings has two rows of rollers, mainly supporting the radial load, but also can bear axial load from any direction. With strong radial load capacity, spherical roller bearings are especially qualified of heavy duty or vibration load work, but can not bear the pure axial load. The outer ring of this kind of bearing spherical, which leads to better self-aligning performance and compensate for coaxial error.

调心滚子轴承具有两列滚子，主要承受径向载荷，同时也能承受任一方向的轴向载荷。有高的径向载荷能力，特别适用于重载或振动载荷下工作，但不能承受纯轴向载荷。该类轴承外圈滚道是球面形，故其调心性能良好，能补偿同轴度误差

Bearing No.	Dimensions			Load ratings(KN)		Limiting speeds(r/min)		Mounting dimensions(mm)			Mass(Kg)
型号	尺寸			载荷		转速		安装尺寸			重量
	d	D	B	Cr	Cor	Grease 脂	Oil 油	da min	Da max	ra max	≈
22205	25	52	18	40	42	8100	10000	30	46	1	0.168
22206	30	62	20	53	59	5600	6800	36	56	1	0.3
22207	35	72	23	79	87	4700	5800	42	65	1	0.435
22208	40	80	23	85	100	4600	5600	47	73	1	0.506
22209	45	85	23	85	100	4200	5200	52	78	1	0.61
22210	50	90	23	87	108	3900	4800	57	83	1	0.88
22211	55	100	25	105	129	3500	4300	64	91	1.5	0.82
22212	60	110	28	126	170	3200	4200	69	101	1.5	1.21
22213	65	120	31	155	201	2800	3500	74	111	1.5	1.62
22214	70	125	31	163	211	2700	3300	79	116	1.5	1.7
22215	75	130	31	167	222	2500	3200	84	121	1.5	1.8
22216	80	140	33	180	245	2300	3000	90	130	2	2.21
22217	85	150	36	216	286	2200	2800	95	140	2	2.85
22218	90	160	40	247	332	2000	2600	100	150	2	4.25
22219	95	170	43	286	391	2000	2400	107	158	2.1	4.25
22220	100	180	46	319	438	1800	2400	112	168	2.1	4.9
22222	110	200	53	417	592	1500	1900	122	188	2.1	7.5
22224	120	215	58	484	698	1400	1800	132	203	2.1	9
22226	130	230	64	567	834	1200	1600	144	216	2.5	11.3
22228	140	250	68	647	958	1100	1600	154	236	2.5	14.6
22230	150	270	73	760	1130	950	1300	164	256	2.5	18.45
22232	160	290	80	850	1280	950	1200	174	276	2.5	22.3
22234	170	310	86	975	1500	950	1200	188	292	3	28.45
22236	180	320	86	1010	1590	800	1000	198	302	3	30
22238	190	340	92	842	1555	750	1050	208	322	3	35.8
22240	200	360	98	947	1790	700	900	218	342	30	47
22244	220	400	108	1200	2280	650	850	238	382	3	61.8
22248	240	440	120	1650	2750	600	800	258	422	3	85.3



► **Spherical roller bearings**

Spherical roller bearings has two rows of rollers, mainly supporting the radial load, but also can bear axial load from any direction. With strong radial load capacity, spherical roller bearings are especially qualified of heavy duty or vibration load work, but can not bear the pure axial load. The outer ring of this kind of bearing spherical, which leads to better self-aligning performance and compensate for coaxial error.

调心滚子轴承具有两列滚子，主要承受径向载荷，同时也能承受任一方向的轴向载荷。有高的径向载荷能力，特别适用于重载或振动载荷下工作，但不能承受纯轴向载荷。该类轴承外圈滚道是球面形，故其调心性能良好，能补偿同轴度误差

Bearing No.	Dimensions			Load ratings(KN)		Limiting speeds(r/min)		Mounting dimensions(mm)			Mass(Kg)
型号	尺寸			载荷		转速		安装尺寸			重量
	d	D	B	Cr	Cor	Grease 脂	Oil 油	da min	Da max	ra max	≈
24120	100	165	65	397	640	1700	2200				5.65
24122	110	180	69	472	798	1800	2200	120	170	2.0	6.73
24124	120	200	80	575	998	1600	1900	130	190	2.0	9.62
24126	130	210	80	585	1030	1200	1600	140	200	2.0	10.25
24128	140	225	85	670	1200	1200	1800	152	213	2.1	12.45
24130	150	250	100	890	1600	1000	1300	162	238	2.1	18.95
24132	160	270	109	1040	1880	1000	1300	172	258	2.1	24.70
24134	170	280	109	1070	1930	900	1200	182	268	2.1	24.75
24136	180	300	118	1210	2220	800	1100	194	286	2.5	31.80
24138	190	320	128	1410	2590	700	1000	204	306	2.5	40.50
24140	200	340	140	1620	3030	700	900	214	326	2.5	49.00
24144	220	370	150	1900	3580	700	950	238	352	3.0	62.50
24148	240	400	160	2400	3900	670	850				83
24152	260	440	180	3000	4800	600	750				110
24156	280	460	180	3100	5100	560	700				120



► **Spherical roller bearings**

Spherical roller bearings has two rows of rollers, mainly supporting the radial load, but also can bear axial load from any direction. With strong radial load capacity, spherical roller bearings are especially qualified of heavy duty or vibration load work, but can not bear the pure axial load. The outer ring of this kind of bearing spherical, which leads to better self-aligning performance and compensate for coaxial error.

调心滚子轴承具有两列滚子，主要承受径向载荷，同时也能承受任一方向的轴向载荷。有高的径向载荷能力，特别适用于重载或振动载荷下工作，但不能承受纯轴向载荷。该类轴承外圈滚道是球面形，故其调心性能良好，能补偿同轴度误差

Bearing No.	Dimensions			Load ratings(KN)		Limiting		Mounting dimensions(mm)			Mass(Kg)
型号	尺寸			载荷		转速		安装尺寸			重量
	d	D	B	Cr	Cor	Grease 脂	Oil 油	da min	Da max	ra max	≈
23120	100	165	52	330	520	1800	2200	110	155	2.0	5.05
23121	105	175	56	249	494	1600	1900	119	161	2.5	6.25
23122	110	180	56	386	613	1500	1800	120	170	2.0	6.23
23124	120	200	62	463	736	1200	1500	130	190	2.0	7.62
23126	130	210	64	492	812	1300	1700	140	200	2.0	8.62
23128	140	225	68	561	953	1000	1400	152	213	2.1	10.85
23130	150	250	80	747	1267	900	1200	162	238	2.1	17.00
23132	160	270	56	870	1460	800	1200	172	258	2.1	19.45
23134	170	280	88	911	1565	900	1200	182	268	2.1	21.05
23136	180	300	96	1060	1850	750	900	194	286	2.5	26.90
23138	190	320	104	1200	2120	650	950	204	306	2.5	34.90
23140	200	340	112	1420	2530	630	800	214	326	2.5	50.90
23144	220	370	120	1610	2900	600	800	238	352	3.0	54.10
23148	240	400	128	1840	3310	500	650	258	382	3.0	54.90
23152	260	440	144	2270	4190	450	560	278	422	3.0	94.9
23156	280	460	146	2380	4410	450	530	302	438	4.0	102.3



► **Spherical roller bearings**

Spherical roller bearings has two rows of rollers, mainly supporting the radial load, but also can bear axial load from any direction. With strong radial load capacity, spherical roller bearings are especially qualified of heavy duty or vibration load work, but can not bear the pure axial load. The outer ring of this kind of bearing spherical, which leads to better self-aligning performance and compensate for coaxial error.

调心滚子轴承具有两列滚子，主要承受径向载荷，同时也能承受任一方向的轴向载荷。有高的径向载荷能力，特别适用于重载或振动载荷下工作，但不能承受纯轴向载荷。该类轴承外圈滚道是球面形，故其调心性能良好，能补偿同轴度误差

Bearing No.	Dimensions			Load ratings(KN)		Limiting speeds(r/min)		Mounting dimensions(mm)			Mass(Kg)
型号	尺寸			载荷		转速		安装尺寸			重量
	d	D	B	Cr	Cor	Grease 脂	Oil 油	da min	Da max	ra max	≈
23022	110	170	45	278	461	1600	1900	120	160	2	3.92
23024	120	180	46	304	510	1200	1600	130	170	2	4.2
23026	130	200	52	383	644	1100	1600	140	190	2	6.3
23028	140	210	53	414	719	1000	1300	150	200	2	6.8
23030	150	225	56	451	790	1000	1400	162	213	2.1	8.2
23032	160	240	60	515	900	850	1200	172	228	2.1	9.85
23034	170	260	67	626	1112	800	1000	182	248	2.1	12.5
23036	180	280	74	730	1290	800	1000	192	268	2.1	17.2
23038	190	290	75	767	1390	700	950	202	278	2.1	19.8
23040	200	310	82	890	1650	650	850	212	298	2.1	23.65
23044	220	340	90	1090	2040	600	750	234	326	2.5	28.8
23048	240	360	92	1160	2220	530	700	254	346	2.5	36.2
23052	260	400	104	1460	2850	500	630	278	382	3	514.5
23056	280	420	106	1580	3030	450	600	298	402	3	62.9
23060	300	460	118	1910	3800	450	530	318	442	3	76



► **Spherical roller bearings**

Spherical roller bearings has two rows of rollers, mainly supporting the radial load, but also can bear axial load from any direction. With strong radial load capacity, spherical roller bearings are especially qualified of heavy duty or vibration load work, but can not bear the pure axial load. The outer ring of this kind of bearing spherical, which leads to better self-aligning performance and compensate for coaxial error.

调心滚子轴承具有两列滚子，主要承受径向载荷，同时也能承受任一方向的轴向载荷。有高的径向载荷能力，特别适用于重载或振动载荷下工作，但不能承受纯轴向载荷。该类轴承外圈滚道是球面形，故其调心性能良好，能补偿同轴度误差

Bearing No.	Dimensions			Load ratings(KN)		Limiting speeds(r/min)		Mounting dimensions(mm)			Mass(Kg)
型号	尺寸			载荷		转速		安装尺寸			重量
	d	D	B	Cr	Cor	Grease 脂	Oil 油	da min	Da max	ra max	≈
24013	65	100		137	173			71	94	1.0	0.95
24015	75	115		181	232			81	109	1.0	1.55
24020	100	150	50	251	448	1400	1500	110	140	1.5	3.20
24022	110	170	60	380	600	1400	2200	120	170	2.0	5.05
24024	120	180	60	380	675	1600	2000	130	170	2.0	5.15
24026	130	200	69	472	852	1400	1800	140	190	2.0	7.45
24028	140	210	69	488	895	1400	1800	150	200	2.0	8.12
24030	150	225	75	570	1070	1200	1600	162	213	2.1	11.10
24032	160	240	80	652	1230	1000	1400	172	228	2.1	12.10
24034	170	260	90	792	1520	900	1200	182	248	2.1	16.45
24036	180	280	100	928	1820	800	1000	192	268	2.1	22.10
24038	190	290	100	975	1910	800	1100	202	278	2.1	22.95
24040	200	310	109	1120	2220	670	850	212	298	2.1	29.40
24044	220	340	118	1370	2760	750	1000	234	326	2.5	39.20
24048	240	360	118	1440	2930	700	950	254	346	2.5	40.90
24052	260	400	140	1840	3850	650	850	278	382	3.0	63.0
24056	280	420	140	1960	4100	600	800	298	402	3.0	66.0
24060	300	460	160	2430	5160	550	750	318	442	3.0	95.2

轴承代号	基本尺寸			rmin	基本额定载荷		极限转速		其他尺寸					安装相关尺寸			重量
	d	D	T		Ca	C0a	脂润滑	油润滑	d1	D1	B	C	A	damin	Da max	rg max	
	mm				KN		r/min		mm				mm			kg	
29412	60	130	42	1.5	328	425	1800	2600	89	117	27	20	38	90	107	1.5	2.6
29413	65	140	45	2	377	490	1700	2400	95	125	29.5	21	42	100	117	2	3.33
29413E	65	140	45	2	377	490	1700	2400	91	120	29.5	21	42	100	117	2	3.14
29414	70	150	48	2	418	1230	1600	2200	103	135	31	23	44	105	125	2	4.24
29415	75	160	51	2	492	700	1600	2200	108	140	18	24	47	115	133	2	4.27
29416	80	170	54	2.1	528	1600	1400	2000	113	153.7	19	26.8	50	120	141	2	6.06
29416Q1	80	170	54	2.1	550	1600	1400	2000	113	153.7	19	26.8	50	120	141	2	6.06
29317	85	150	39	1.5	330	1070	1600	2200	111	138	13	18.7	50	115	129	1.5	2.81
29417	85	180	58	2.1	600	1650	1300	1900	120	160	21	27.8	54	130	151	2	6.76
29318	90	155	39	1.5	315	1020	1600	2200	115.5	143.2	13	18.8	52	120	134	1.5	2.93
29418	90	190	60	2.1	667	1980	1300	1800	127	170	22	28.5	56	135	158	2	7.85
29418Q1	90	190	60	2.1	640	1980	1300	1800	127	170	22	28.5	56	135	158	2	7.85
29418Q1 /HAVA7	90	190	60	2.1	667	1980	1300	1800	127	170	49.6	28.5	56	135	158	2	7.85
29320	100	170	42	1.5	395	1330	1500	2000	127.5	158.9	14	20.6	58	130	147	1.5	3.8
29420	100	210	67	3	836	2500	1200	1700	142	185	24	31.5	62	150	175	2.5	12.3
29322	110	190	48	2	505	1640	1200	1700	143	175	16	23	64	145	164	2	6.94
29322/Y AD	110	190	48	2	400	1270	1300	1800	140	175	31	24	64	145	164	2	5.08
29422	110	230	73	3	996	1540	1100	1600	155.5	208	26	34.4	69	164	193	2.5	18.1
29324	120	210	54	2.1	545	2010	1100	1600	156	193.5	18	25.9	70	160	181	2	7.45
39424	120	250	78	4	910	1590	1000	1500	172	222	50.5	37	74	180	209	3	17.1
29424	120	250	78	4	1060	3300	900	1300	181	222	48	38	74	180	209	3	33.3

29424D/ A7	120	250	156	5	980	2700	900	1300	174	220	153	37		180	209	3	33.3
29326E	130	225	58	2.1	693	1150	1000	1500	166	200	36.5	28	76	138	194	2	8.48
29326/Y A8	130	225	58	2.1	660	2260	1000	1500	168	206.7	19	27.8	76	170	195	2	9.11
29326	130	225	58	2.1	715	2260	1000	1500	168	206.7	19	27.8	76	175	194	2	9.08
29326D	130	225	116	2.1	690	2260	1000	1500	168	206.7	19	27.8	76	175	194	2	18.6
29426	130	270	85	4	1220	3500	950	1400	183	246	31	39.7	81	142.5	227	3	28.3
29426/Y A7	130	270	85	4	1220	3500	950	1400	183	246	67.5	39.7	81	142.5	227	3	28.3
29328	140	240	60	2.1	805	2600	950	1400	183	221	20	28	82	185	208	2	10.1
29428	140	280	85	4	1280	4200	850	1200	203	247	55	47	64	205	236	3	24.8
29330	150	250	60	2.1	820	1210	950	1400	194	240	20	29	87	195	219	2	11.5
29330/Y A8	150	250	60	2.1	575	2420	950	1400	194	240	20	29	87	195	219	2	11.5
29430	150	300	90	4	1530	2070	800	1100	214	285	32	44	92	220	253	3	28.9
29430/Y A8	150	300	90	4	1310	4750	800	1100	209.5	273	32	42.1	92	220	253	3	28.6
29430E	150	300	90	4	1320	2370	800	1100	206	266	58	44	92	220	253	3	27.9
29332	160	270	67	3	960	3330	850	1200	205	249.6	23	31.7	92	210	235	2.5	14.6
29332F3	160	270	67	3	960	3330	850	1200	205	249.6	23	31.7	92	210	235	2.5	14.5
29432	160	320	95	5	1650	5330	700	1000	218.5	285	34	46.9	99	235	270	4	32.8
29334	170	280	67	3	940	3400	850	1200	216	260.3	23	31.7	96	220	245	2.5	15.7
29434	170	340	103	5	1920	6350	700	950	234	310	37.1	48.8	104	250	286	4	42.3
29434E	170	340	103	4	1850	3150	700	950	235	302	65.5	50	104	250	286	4	39.7
29236	180	250	42	1.5	420	1760	900	1300	209	239	15	21.3	97	215	227	1.5	7.05
29336	180	300	73	3	1090	4050	700	1000	229	275	25	34.4	103	235	262	2.5	19.9
29336/Y A8	180	300	73	3	990	4050	700	1000	229	275	25	34.4	103	235	262	2.5	20.3
29436	180	360	109	5	2250	6750	700	950	249.5	326	39	51.2	110	265	304	4	64.2

29436/Y AS	180	360	109		2050	6750	700	950	249.5	326	39	51.2	5	265	304		62.5
29238F3	190	270	48	2	620	2660	-	1400	222.5	257	15.5	24.1	104	225	243	2	8.37
29338	190	320	78	4	1300	4950	750	1000	240.5	298.3	27	38.6	110	250	280	3	25.1
29338/Y AS	190	320	78	4	1350	5300	750	1000	240.5	308	27	38.6	110	250	280	3	25.7
29438	190	380	115	5	2280	3900	630	850	263	345	41	53.7	117	280	321	4	75.6
29240	200	280	48	2	560	2590	-	1400	234.5	266	15	24	108	240	254	2	8.54
29340	200	340	85	4	1290	5250	700	950	259	314	29	39.1	116	265	297	3	29.5
29340/Y AS	200	340	85	4	1140	4750	700	950	261	325	29	41	116	265	297	3	34
29340K	200	340	85	4	1530	2330	700	950	261	325	54.5	41	116	265	297	3	34
29440	200	400	122	5	2500	4300	600	800	267.5	360	44	56.7	122	295	337	4	83.5
29244	220	300	48	2	580	2780	-	1300	254	284.4	15	24	117	260	273	2	9.2
29344	220	360	85	4	1640	2800	670	900	277.5	330	29	40.7	125	285	316	3	28.6
29344/Y AS	220	360	85	4	1580	5900	670	900	277.5	330	29	40.7	125	285	316	3	29.4
29444	220	420	122	6	2570	9110	560	750	300	381	43	56.9	132	315	358	5	73.2
29348	240	380	85	4	1770	6100	600	800	298.5	360	29	41.7	135	305	336	3	35.4
29348/Y AS	240	380	85	4	1690	6500	600	800	298.5	365	29	41.7	135	305	336	3	20.3
29448	240	440	122	6	2920	10100	530	750	316	400	43	60	142	335	378	5	96.1
29252	260	360	60	2.1	830	4150	-	1100	302	338	19	30	139	310	326	2	16.9
29352	260	420	95	5	2090	7500	600	800	327.5	392.3	32	46	148	335	380	4	50.2
29452	260	480	132	6	3330	12100	500	670	342	441	48	65	154	365	412	5	102
29452J/ HC	260	480	132	6	3150	13400	500	670	342	432	88.2	65	154	360	412	5	101
29256	280	380	60	2.1	895	2130	700	1000	322.5	364	19	29.5	150	325	347	2	21.7
29456	280	520	145	6	4090	14000	480	630	373.5	470	54	68.9	166	395	446	5	127
29260	300	420	73	3	1220	6200	-	900	405	353	21	38	162	360	380	2.5	29.5

29360	300	480	109	5	2530	10500	700	750	371.5	448	37	53	168	385	423	4	72.7
29460	300	540	145	6	3500	14800	450	600	395	494.4	52	68.3	175	395	446	5	138
29464	320	580	155	7.5	4500	17600	430	560	420	534	55	75	191	450	500	6	182
29468	340	620	170	7.5	5460	9750	500	700	449.5	560	61	80	201	475	530	6	218
29468/Y A57	340	620	170	7.5	5700	18500	380	500	449.5	560	61	80.1	201	475	530	6	206
29372	360	560	122	5	3080	12400		600	445	521	41	59.5	202	460	500	4	103
29472	360	640	170	7.5	5230	20800		500	470	588	63	81	210	495	500	6	221
29276	380	520	85	4	1820	8900		700	439	498	27	42	202	450	473	3	50
29376	380	600	132	6	3280	15200	450	650	475	561	44	61.4	216	495	535	5	129
29476	380	670	175	7.5	5600	22500		480	490	620	67	84.5	230	525	580	6	252
29280	400	540	85	4	1720	4700	500	700	460	510	27	42	212	470	493	3	64.6
29280F3 /VA7	400	540	85	4	1650	9050		700	460	510	64	42	212	470	493	3	62.9
29380	400	620	132	6	3500	16800	440	620	489	582	44	64.7	225	510	550	5	153
29480	400	710	185	7.5	6230	24500		450	529.5	652	70	86	236	550	615	6	309
29384	420	650	140	6	3800	17900	420	600	514.5	610	48	6.8	235	535	580	5	175
29388	440	680	145	4	4000	19500		480	539	636	48	70.8	245	585	630	5	180
29488	440	780	206	9.5	6500	28900		380	583	716	74	97	260	630	695	8	394
29488/H C	440	780	206	9.5	7450	28900		380	583	716	74	97	260	630	695	8	394
29292	460	620	95	5	2280	12900	400	580	525.5	590	30	49.4	245	540	565	4	74.7
29292/Y A8	460	620	95	5	2280	12900		600	525.5	590	30	49.4	245	540	565	4	76.6
29392	460	710	150	6	4460	18800		450	567	668	51	72	257	586	630	5	207
292/500	500	670	103	5	2550	14600	380	540	572	640	33	50.5	268	585	615	4	117
293/500	500	750	150	6	4950	23100		430	601.5	709.4	51	75.5	280	630	675	5	221
293/500 /VA3	500	750	150	6	4950	23100		430	601.5	709.4	51	75.5	280	630	675	5	221

294/500	500	870	224	9.5	8900	39500	320	460	648	790	81	106	290	685	755	8	589
292/530	530	710	109	5	5000	16600	350	500	604	680	35	54	288	615	655	4	118
294/530	530	920	236	9.5	10000	40500		300	686	845	89	114	309	725	800	8	615
292/560	560	750	115	5	3100	8600	360	480	640	715	40	56.8	302	655	685	4	131
294/560	560	980	250	12	11100	45400		310	727	890	92	120	328	770	850	10	741
294/710	710	1220	308	15	15600	71000		220	910	1130	113	148.5	415	965	1070	12	1400
294/710 /HC	710	1220	308	15	15600	71000		220	910	1130	113	148.5	415	965	1070	12	1400
294/750	750	1280	315	15	17800	76000		200	972	1164	116	158	436	1015	1120	12	1530
292/800	800	1060	155	7.5	6220	36000	240	340	907.5	1010	50	80	426	935	980	6	343
294/850 E1	850	1440	354	15	28600	100000		150	1098	1330	221	172	494	1080	1230	12	2090
292/950	950	1250	180	7.5	8430	46900		240	1081	1185	58	88	507	1095	1155	6	537
292/106 0	1060	1400	206	9.5	10500	62000	180	260	1208	1335	66	100	566	1225	1290	8	767
292/112 0E1	1120	1460	206	9.5	11000	68600		220	1272	1385	141.5	101	601	1300	1365	8	804

轴承代号	基本尺寸				基本额定载荷		极限转速		其他尺寸					安装相关尺寸			重量
	d	D	T	rmin	Ca	COa	脂润滑	油润滑	d1	D1	B	C	A	damin	Da max	rg max	
	mm				KN		r/min		mm					mm			kg
29414/YAD	70	150	48	2.3	314	430	1400	2000	103	135	31	23	44	105	125	2	3.87
29416/YAD	80	170	54	2.5	407	550	1100	1700	117	155	35	25	50	120	141	2	5.33
29418/YAD	90	190	60	2.5	484	690	950	1500	132	170	39	29	56	135	158	2	7.13
29420/YAD	100	210	67	3	644	865	850	1300	146	190	45	32	62	150	175	2.5	10.5
29324/YAD	120	210	54	2.5	418	650	1000	1600	161	188	34	30	57	160	181	2	6.88
29424/YAD	120	250	78	3.7	781	1060	750	1100	181	222	48	38	74	180	209	3	19.5
29424/YAD-1	120	250	78	2.5	781	1060	750	1100	181	222	48	38	74	180	209	2.5	19.4
29326/YAD	130	225	58	3.7	484	750	950	1500	170	200	37	29	76	175	194	2	8.26
29429/YAD	130	270	85	3.7	836	1100	700	1100	190	240	55	44	79	195	227	3	23
29428/YAD	140	280	85	3.7	908	1120	670	950	203	247	55	47	64	205	236	3	22.7
29430/YAD	150	300	90	4.7	1090	1710	630	900	220	270	60	48	69	220	253	3	27.3
29432/YAD	160	320	95	4.7	1100	1720	560	800	234	275	61	53	74	235	270	4	33.3
29434/YAD	170	340	103	3	1330	2130	530	750	243	310	71	48	104	250	286	3	40.7
29336/YAD	180	300	73	4.7	974	3000	630	900	230	276	50	35	103	235	262	2.5	19.4
29436/YAD	180	360	109	2	1330	2130	750	750	265	308	67	58	82	265	304	2	42.3
29244/YAD	220	300	48	6	484	910	850	1300	260	286	31	24	117	260	273	2	7.92
29448/YAD	240	440	122	3.7	2110	3550	750	750	330	400	78	59	142	335	378	3	74.5
29252/YAD	260	360	60	2.1	798	1550	530	750	302	335	38	30	139	310	326	2	15.7
29356/YAD	280	440	95	5	1600	6060	530	750	348	413	64	46	158	355	390	4	49.1
29268/YAD	340	460	73	3	1250	2440	530	750	388	438	48	36	204	400	422	2.5	31.4
29284/YAD	420	580	95	4.7	2060	4150		560	489	548	62	46	251	500	525	4	78.9
294/500/YAD	500	870	224	9.5	6930	27700		340	654	760	140	108	290	685	755	8	462

292/630YAD	630	850	132	6	3580	8350		300	728	800	86	65	338	740	780	5	231
292/710/YAD	710	950	145	6	3960	12000		240	805	895	92	75	380	820	880	5	279
294/750/YAD	750	1280	315	15	14850	31000		100	972	1152	160	158	448	1015	1120	12	1340