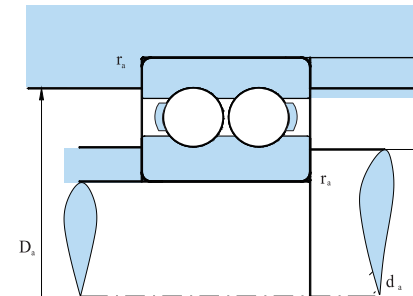
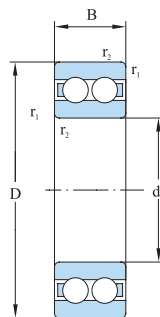


Deep groove ball bearing

Double row



Designations	Boundary dimensions				Basic load ratings	
	d	D	B	r _{1,2} min	Cr	Cor
	mm				kN	
4200ATN	10	30	14	0.6	9.23	5.2
4201ATN	12	32	14	0.6	10.6	6.2
4301ATN		37	17	1	13	7.8
4202ATN	15	35	14	0.6	11.9	7.5
4302ATN		42	17	1	14.8	9.5
4203ATN	17	40	16	0.6	14.8	9.5
4303ATN		47	19	1	19.5	13.2
4204ATN	20	47	18	1	17.8	12.5
4304ATN		52	21	1.1	23.4	16
4205ATN	25	52	18	1	19	14.6
4305ATN		62	24	1.1	31.9	22.4
4206ATN	30	62	20	1	26	20.8
4306ATN		72	27	1.1	41	30
4207ATN	35	72	23	1.1	35.1	28.5
4307ATN		80	31	1.5	50.7	38
4208ATN	40	80	23	1.1	37.1	32.5
4308ATN		90	31	1.5	55.9	38
4209ATN	45	85	23	1.1	39	36
4309ATN		100	36	1.5	68.9	56
4210ATN	50	90	23	1.1	41	40
4310ATN		110	40	2	81.9	69.5
4211ATN	55	100	25	1.5	44.9	44
4311ATN		120	43	2	97.5	83
4212ATN	60	110	28	1.5	57.2	55
4312ATN		130	46	2.1	112	98
4213ATN	65	120	31	1.5	67.6	67
4313ATN		140	48	2.1	121	106
4214ATN	70	125	31	1.5	70.2	73.5
4314ATN		150	51	2.1	138	125
4215ATN	75	130	31	1.5	72.8	80
4315ATN		160	55	2.1	156	143
4216ATN	80	140	33	2	80.6	90

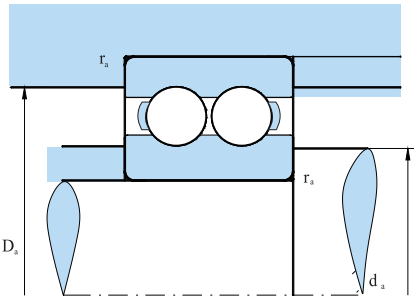
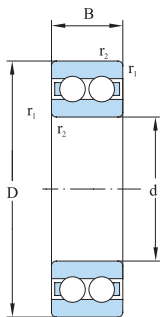
Limiting speeds		Abutment and fillet dimensions			Mass
grease	oil	d _u min	D _u max	r _u max	
r/min		min			kg
18000	22000	14	26	0.6	0.049
17000	20000	16	28	0.6	0.053
15000	18000	17	32	1	0.092
14000	17000	19	31	0.6	0.059
12000	15000	20	37	1	0.12
12000	15000	21	36	0.6	0.09
10000	13000	22	42	1	0.16
10000	13000	25	42	1	0.14
9500	12000	26.5	45.5	1	0.21
9000	11000	30	47	1	0.16
8500	10000	31.5	55.5	1	0.34
8000	9500	35	57	1	0.26
7000	8500	36.5	65.5	1	0.5
6700	8000	41.5	65.5	1	0.4
6300	7500	43	72	1.5	0.69
6000	7000	46.5	73.5	1	0.5
5600	6700	48	82	1.5	0.95
5600	6700	51.5	78.5	1	0.54
5000	6000	53	92	1.5	1.25
5000	6000	56.5	83.5	1	0.58
4500	5300	59	101	2	1.7
4800	5600	63	92	1.5	0.8
4300	5000	64	111	2	2.15
4500	5300	68	102	1.5	1.1
3800	4500	71	119	2	2.65
4000	4800	73	112	1.5	1.45
3600	4300	76	129	2	3.25
3600	4300	78	117	1.5	1.5
3200	3800	81	139	2	3.95
3400	4000	83	122	1.5	1.6
3000	3600	86	149	2	4.8
3200	3800	89	131	2	2



Harbin Bearing
Group Corporation

Deep groove ball bearing

Double row



Designations	Boundary dimensions				Basic load ratings	
	d	D	B	$r_{1,2}\text{min}$	Cr	Cor
	mm				kN	
4217ATN	85	150	36	2	93.6	102
4218ATN	90	160	40	2	112	122
4220ATN	100	180	46	2.1	140	156

Limiting speeds		Abutment and fillet dimensions			Mass
Grease	Oil	$d_a\text{min}$	$D_a\text{max}$	$r_a\text{max}$	
r/min		min			kg
3000	3600	94	141	2	2.55
2800	3400	99	151	2	3.2
2400	3000	111	169	2	4.7