


Small Deep Groove Ball Bearings

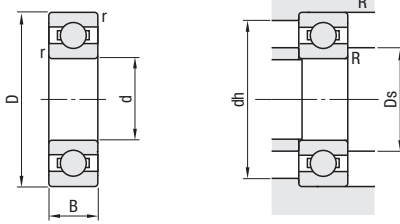
Open

Open



RoHS

B6
BR
BR



Material: 52100 Bearing Steel
Bearing Accuracy: JIS B 1514 Class 0

Shipped with no grease applied. Please apply grease before use.

Part Number	d	D	B	r (min)	Basic Load Rating		Allowable Rotational Speed rpm (Reference)	Relative Dimensions			Mass (g) (Reference)	Unit Price
					Cr (Dynamic) N	Co (Static) N		Ds (min)	dh (max)	R (max)		
B683	3	7	2	0.1	311	112	63000	3.85	6.35	0.1	0.32	
B603		9	3	0.15	571	189	56000	4.35	7.9	0.15	0.84	
B623		10	4		631	219	50000	4.35	7.98		1.45	
B634	4	16	5	0.3	1340	523	36000	6.7	13	0.3	5.24	
B605	14	5		0.2	1329	507	40000	6.9	12.2	0.2	3.46	
B625	16	5		0.3	1729	675	36000	7.5	13.8		4.95	
B606	6	17	6	0.3	2263	846	38000	8.2	14.8	0.3	5.94	
B626		19			2336	896	32000	8.5	16.5		8.12	
B608	8	22	7	0.3	3293	1379	34000	10.5	19.03	0.3	11.8	
B628		24	8		3333	1423	28000	11.9	19.9		17.1	

Part Number	d	D	B	r (min)	Basic Load Rating		Allowable Rotational Speed rpm (Reference)	Relative Dimensions			Mass (g) (Reference)	Unit Price
					Cr (Dynamic) N	Co (Static) N		Ds (min)	dh (max)	R (max)		
BR63	3	6	2	0.1	209	74	71000	3.7	4.9	0.1	0.2	
BR74	4	7			311	115	60000	4.75	6.25		0.23	
BR84		8		395	141	56000	5	6.8	0.39			
BR104	4	10	3	0.2	711	272	48000	6.15	8.35	0.15	0.96	
BR85	5	8	2	0.1	308	120	53000	5.75	7.25	0.1	0.25	
BR95		9	2.5	0.15	431	169	50000	6	7.8	0.15	0.54	
BR105		10	3		431	169			0.78		0.91	
BR106	6	10	2.5	0.15	496	218	45000	7.04	8.9	0.1	0.55	
BR126		12	3		714	295	43000	7.73	10.19	0.15	1.25	
BR128	8	12	2.5	0.15	543	274	40000	9.05	10.9	0.1	0.7	
BR148		14	3.5	0.2	817	386	38000	9.86	12.19	0.15	1.9	

Ordering Example

Part Number

B605
BR126

Days to Ship

Configure Online

Price

Configure Online

Structure and Features of Ball Bearings

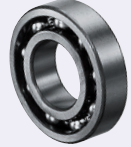
Type	Open	Double Shielded	Non-Contact Sealed	Contact Sealed
Friction Torque	Low	Low	Low	Large Due to seal contact to the inner ring
High Speed	○	○	○	△
Dust Resistance	×	△	○	○
Water Resistance	×	×	×	○ Usable in the conditions of exposure to water splashes
Operating Temperature	-10~+100°C	-10~+110°C	-10~+110°C	-10~+100°C

The table above is for reference to compare the four shapes.
○: Well Suited ○: Good △: Questionable ×: Not Suitable

Deep Groove Ball Bearings

Open

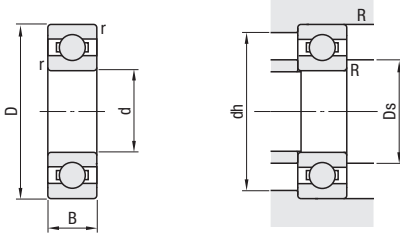
Open



RoHS

Steel

B6



Material: 52100 Bearing Steel
Bearing Accuracy: JIS B 1514 Class 0

Shipped with no grease applied. Please apply grease before use.

Part Number	d	D	B	r (min)	Basic Load Rating		Allowable Rotational Speed rpm (Reference)	Relative Dimensions			Mass (g) (Reference)	Unit Price	
					Cr (Dynamic) kN	Co (Static) kN		Ds (min)	dh (max)	R (max)			
B6700	10	15	3	0.2	0.85	0.43	15000	10.4	11.21	14.2	0.2	2	
B6800		19	5	0.3	1.83	0.925	34000	12	12.5	17	0.3	5	
B6900		22	6		2.70	1.27	32000		13	20		9	
B6000	12	26	8	0.3	4.55	1.96	30000	12	13.5	24		19	
B6200		30	9	0.6	5.10	2.39	24000	14	16	26	0.6	32	
B6701		18	4	0.2	0.92	0.53	13000	12.4	13.86	16.7	0.2	3	
B6801	15	21	5	0.3	1.92	1.04	32000	14	14.5	19	0.3	6	
B6901		24	6		2.89	1.46	30000		15	22		11	
B6001		28	8	5.10	2.39	28000	16	17	26	21			
B6201	17	32	10	0.6	6.10	2.75	22000	16	17	28	0.6	37	
B6702		21	4	0.2	0.93	0.58	11000	15.4	16.86	19.7	0.2	4	
B6802		24	5	0.3	2.08	1.26	28000	17	17.5	22	0.3	7	
B6902	28	7	3.65		2.00	26000	19		26	16			
B6002	19	32	9	0.3	5.60	2.83	24000	17	19	30		30	
B6202		35	11	0.6	7.75	3.60	20000	19	20	31	0.6	45	
B6803		26	5	0.3	2.23	1.46	26000	21	19.5	24	0.3	8	
B6903	30	7	4.65		2.58	24000	20		28	18			
B6003	20	35	10	0.3	6.80	3.35	22000	20.4	21	33		39	
B6203		40	12	0.6	9.60	4.60	17000	21	23	36	0.6	66	
B6704		27	4	0.2	1.40	0.72	8500	20.4	22.36	25.5	0.2	6	
B6804	25	32	7	0.3	4.00	2.47	22000	22	22.5	30	0.3	19	
B6904		37	9		6.40	3.70	19000		24	24		35	36
B6004		42	12	0.6	9.40	5.05	18000	24	26	38	0.6	69	
B6204	30	47	14	1.0	12.80	6.65	15000	25	28	42	1.0	106	
B6805		37	7	0.3	4.30	2.95	18000	27	35	0.3	22		
B6905		42	9		7.05	4.55	16000		29		40	42	
B6005	35	47	12	0.6	10.10	5.85	15000	29	30.5	43	0.6	80	
B6205		52	15	1.0	14.00	7.85	13000	30	32	47	1.0	128	
B6806		42	7	0.3	4.70	3.65	15000	32	33	40	0.3	26	
B6906	47	9	7.25		5.00	14000	34		45	48			
B6006	40	55	13	1.0	13.20	8.30	13000	35	37	50	1.0	116	
B6206		62	16	1.0	19.50	11.30	11000	35	39	57	1.0	199	
B6807		47	7	0.3	4.90	4.05	14000	37	38	45	0.3	29	
B6907	55	10	9.55		6.85	12000	39		40	51		0.6	74
B6007	45	62	14	1.0	16.00	10.30	11000	40	42	57		155	
B6207		72	17	1.1	25.70	15.30	9500	41.5	45	65.5	1.0	288	
B6808		52	7	0.3	5.10	4.40	12000	42	43	50	0.3	33	
B6908	62	12	0.6		12.20	8.90	11000		44	45		58	0.6
B6008	50	68	15	1.0	16.80	11.50	10000	45	47	63	1.0	190	
B6208		80	18	1.1	29.10	17.80	8500	46.5	51	73.5		366	
B6010		16	1.0	21.80	16.60	7100	55.0	57.5	75.0	1.0	261		
B6210	90	20	1.1	35.00	23.20	7100	56.5	60.0	83.5		454		

Ordering Example

Part Number

B6200

Days to Ship

Configure Online

Price

Configure Online