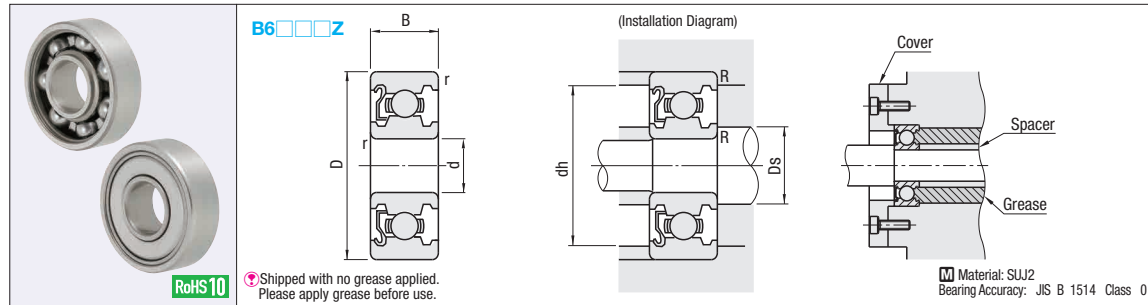


# Deep Groove Ball Bearings

## Single Shielded



For details on the tolerance and allowable values of inner and outer rings, **P2243**

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		dh	R		
								(min)	(max)	(max)	(max)		
B6000Z	10	26	8	0.3	4.55	1.97	30000	12	13	24	0.3	18	
B6200Z		30	9	0.6	5.1	2.39	24000	14	16	26	0.6	32	
B6300Z		35	11	0.6	8.1	3.45	22000		16.5	31	52		
B6001Z	12	28	8	0.3	5.1	2.37	28000	16	15.5	26	0.3	22	
B6201Z		32	10	0.6	6.8	3.05	22000		17	28	0.6	37	
B6301Z		37	12	1	9.7	4.2	20000	17	18	32	1	60	
B6002Z	15	32	9	0.3	5.6	2.83	24000	19	19	30	0.3	31	
B6202Z		35	11	0.6	7.65	3.75	20000		20	22.5	37	1	83
B6302Z		42	13	1	11.4	5.45	17000	19	21.5	33	0.3	41	
B6003Z	17	35	10	0.3	6	3.25	22000	21	23.5	36	0.6	67	
B6203Z		40	12	0.6	9.55	4.8	17000		22	42	1	113	
B6303Z		47	14	1	13.6	6.65	15000	24	25.5	38	0.6	68	
B6004Z	20	42	12	0.6	9.4	5	18000	25	26.5	42	1	107	
B6204Z		47	14	1	12.8	6.6	15000		26.5	28	45.5	145	
B6304Z		52	15	1.1	15.9	7.9	14000	29	30	43	0.6	79	
B6005Z	25	47	12	0.6	10.1	5.85	15000	30	32	47	0.6	129	
B6205Z		52	15	1	14	7.85	13000		31.5	36	55.5	235	
B6305Z		62	17	1.1	20.6	11.2	11000	35	36.5	50	116		
B6006Z	30	55	13	1	13.2	8.3	13000	35	38.5	57	1	199	
B6206Z		62	16	1	19.5	11.3	11000		36.5	42.5	65.5	345	
B6306Z		72	19	1.1	26.7	15	9500	40	41.5	57	151		
B6007Z	35	62	14	1	16	10.3	11000	41.5	44.5	65.5	1	284	
B6207Z		72	17	1.1	25.7	15.3	9500		43	47	72	1.5	464
B6307Z		80	21	1.5	33.5	19.2	8500	45	47.5	63	190		
B6008Z	40	68	15	1	16.8	11.5	10000	46.5	50.5	73.5	1	366	
B6208Z		80	18	1.1	29.1	17.9	8500		48	53	82	1.5	636
B6308Z		90	23	1.5	40.5	24	7500	50	53.5	70	1	241	
B6009Z	45	75	16	1	20.9	15.2	9000	51.5	55.5	78.5	1	420	
B6209Z		85	19	1.1	31.5	20.4	7500		53	61.5	92	1.5	829
B6309Z		100	25	1.5	53	32	6700	55	58.5	75	1	261	
B6010Z	50	80	16	1	21.8	16.6	8500	56.5	60	83.5	1	459	
B6210Z		90	20	1.1	35	23.2	7100		59	68	101	2	1060
B6310Z		110	27	2	62	38.5	6000						

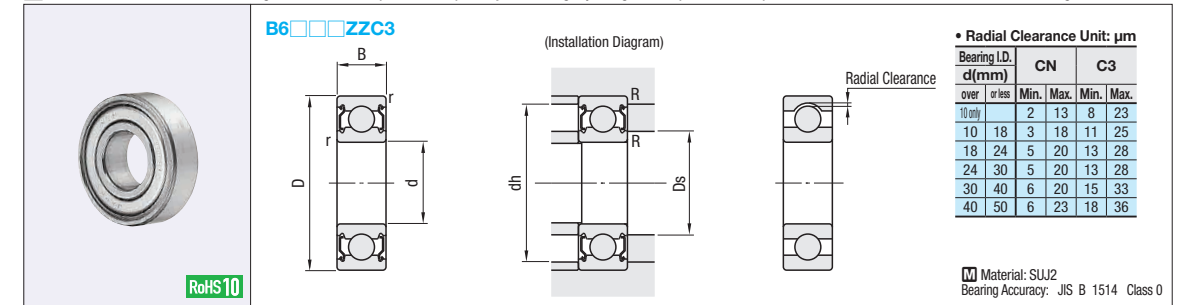
kgf=Nx0.101972

Ordering Example **Part Number**  
B6003Z

# Deep Groove Ball Bearings

## Double Shielded with C3 Clearance

Features: Radial clearance is larger than standard products. Specially use for tight joining-fit and potential temperature difference between outer and inner rings.



For details on the tolerance and allowable values of inner and outer rings, **P2243**

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		dh	R		
								(min)	(max)	(max)	(max)		
B6000ZC3	10	26	8	0.3	4.55	1.97	30000	12	13	24	0.3	18	
B6200ZC3		30	9	0.6	5.1	2.39	24000	14	16	26	0.6	32	
B6300ZC3		35	11	0.6	8.1	3.45	22000		16.5	31	52		
B6001ZC3	12	28	8	0.3	5.1	2.37	28000	16	15.5	26	0.3	22	
B6201ZC3		32	10	0.6	6.8	3.05	22000		17	28	0.6	37	
B6301ZC3		37	12	1	9.7	4.2	20000	17	18	32	1	60	
B6002ZC3	15	32	9	0.3	5.6	2.83	24000	19	19	30	0.3	31	
B6202ZC3		35	11	0.6	7.65	3.75	20000		20	22.5	37	1	83
B6302ZC3		42	13	1	11.4	5.45	17000	19	21.5	33	0.3	41	
B6003ZC3	17	35	10	0.3	6	3.25	22000	21	23.5	36	0.6	67	
B6203ZC3		40	12	0.6	9.55	4.8	17000		22	42	1	113	
B6303ZC3		47	14	1	13.6	6.65	15000	24	25.5	38	0.6	68	
B6004ZC3	20	42	12	0.6	9.4	5	18000	25	26.5	42	1	107	
B6204ZC3		47	14	1	12.8	6.6	15000		26.5	28	45.5	145	
B6304ZC3		52	15	1.1	15.9	7.9	14000	29	30	43	0.6	79	
B6005ZC3	25	47	12	0.6	10.1	5.85	15000	30	32	47	0.6	129	
B6205ZC3		52	15	1	14	7.85	13000		31.5	36	55.5	235	
B6305ZC3		62	17	1.1	20.6	11.2	11000	35	36.5	50	116		
B6006ZC3	30	55	13	1	13.2	8.3	13000	35	38.5	57	1	199	
B6206ZC3		62	16	1	19.5	11.3	11000		36.5	42.5	65.5	345	
B6306ZC3		72	19	1.1	26.7	15	9500	40	41.5	57	151		
B6007ZC3	35	62	14	1	16	10.3	11000	41.5	44.5	65.5	1	284	
B6207ZC3		72	17	1.1	25.7	15.3	9500		43	47	72	1.5	464
B6307ZC3		80	21	1.5	33.5	19.2	8500	45	47.5	63	190		
B6008ZC3	40	68	15	1	16.8	11.5	10000	46.5	50.5	73.5	1	366	
B6208ZC3		80	18	1.1	29.1	17.9	8500		48	53	82	1.5	636
B6308ZC3		90	23	1.5	40.5	24	7500	50	53.5	70	1	241	
B6009ZC3	45	75	16	1	20.9	15.2	9000	51.5	55.5	78.5	1	420	
B6209ZC3		85	19	1.1	31.5	20.4	7500		53	61.5	92	1.5	829
B6309ZC3		100	25	1.5	53	32	6700	55	58.5	75	1	261	
B6010ZC3	50	80	16	1	21.8	16.6	8500	56.5	60	83.5	1	459	
B6210ZC3		90	20	1.1	35	23.2	7100		59	68	101	2	1060
B6310ZC3		110	27	2	62	38.5	6000						

kgf=Nx0.101972

Ordering Example **Part Number**  
B6004ZC3

• Radial Clearance Unit: μm

Bearing I.D. d (mm)	CN		C3	
	over	or less	Min.	Max.
10 only	2	13	8	23
10	18	3	18	11
18	24	5	20	13
24	30	5	20	13
30	40	6	20	15
40	50	6	23	18

Material: SUJ2  
Bearing Accuracy: JIS B 1514 Class 0