
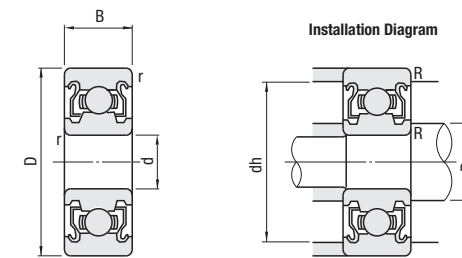


# Deep Groove Ball Bearings

Small, Double Shielded



**B6\_ZZ**  
**B6\_AZZ**  
**BR\_ZZ**  
**BR\_AZZ**



**Installation Diagram**

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

Part Number	d	D	B	r (min)	Basic Load Rating		Allowable Rotational Speed rpm (Reference)	Relative Dimensions			Mass (g) (Reference)
					Cr (Dynamic) N	Cor (Static) N		Ds (min)	dh (max.)	R (max.)	
B682ZZ	2	5	2.3	0.08	169	50	85000	2.7	3.9	0.08	0.17
B692ZZ		6	3.0	0.15	330	98	75000	3.0	4.8	0.15	0.38
B602ZZ		7	3.5		385	127	60000	3.2	5.8	0.15	0.58
B682AZZ	2.5	6	2.6	0.08	208	74	71000	3.7	4.9	0.08	0.29
B692AZZ		7	3.5	0.15	385	127	63000	3.85	5.65	0.15	0.55
B673ZZ	3	6	2.5	0.1	208	74	71000	3.6	5.4	0.08	0.2
B683ZZ		7	3	0.1	390	130	63000	3.9	5.8	0.1	0.45
B693ZZ		8	4	0.15	560	179	60000		6.8	0.15	0.83
B603ZZ		9	5	0.15	570	187	56000	4.2	7.8	0.15	1.45
B623ZZ		10	4		630	218	50000		8.8	0.15	1.66
B633ZZ		13	5	0.2	1300	485	40000	4.6	11.4	0.2	3.33
B674ZZ		7	2.5	0.1	222	88	60000	4.6	6.4	0.08	0.29
B684ZZ		9		0.1	640	224	53000	5.0	7.8	0.1	1.01
B694ZZ		11	4	0.15	715	276	48000	5.2	9.8	0.15	1.75
B604ZZ		12		0.2	957	350	48000	5.6	10.4	0.2	2.29
B624ZZ	13			1300	485	40000	5.6	11.4	0.2	3.04	
B634ZZ	16	5	0.3	1340	523	36000	6	14	0.3	5.21	
B675ZZ	8	2.5	0.1	218	131	53000	5.8	7.4	0.1	0.34	
B685ZZ	11	5	0.15	715	281	45000	6.2	9.8		1.96	
B695ZZ	13	4		1080	430	43000		11.4	0.2	2.5	
B605ZZ	14	5	0.2	1330	505	40000	6.6	12.4		3.48	
B625ZZ	16		0.3	1730	670	36000	7	14		4.86	
B635ZZ	19	6		2336	835	32000	7	17	0.3	8.34	
B676ZZ	10	3	0.1	495	218	45000	7.04	9.3	0.1	0.68	
B686ZZ	13		0.15	1080	440	40000	7.0	11.8		2.69	
B696ZZ	15	5	0.2	1350	530	40000	7.6	13.4	0.2	3.72	
B606ZZ	17			2190	835	38000		15		6.08	
B626ZZ	19	6	0.3	2340	885	32000	8	17	0.3	7.94	
B636ZZ	22	7		3333	1423	30000	8	20		14.5	
B678ZZ	12	3.5	0.1	543	274	40000	9.05	11.33	0.1	0.97	
B688ZZ	16	5	0.2	1610	710	36000	9.6	14.4	0.2	4.02	
B698ZZ	19	6		1990	865	36000		17		7.18	
B608ZZ	22	7		3350	1400	34000	10	20		12	
B628ZZ	24	8	0.3	4000	1590	28000		22	0.3	17	
B638ZZ	28	9		4563	1983	28000	10	26		30.3	

## Non-Standard Size


kgf=Nx0.101972

Part Number	d	D	B	r (min)	Basic Load Rating		Allowable Rotational Speed rpm (Reference)	Relative Dimensions			Mass (g) (Reference)
					Cr (Dynamic) N	Cor (Static) N		Ds (min)	dh (max.)	R (max.)	
BR52ZZ	2	5	2.5	0.1	169	50	85000	2.7	4.4	0.1	0.23
BR62ZZ		6	2.5	0.15	330	98	75000	3	5.4	0.15	0.29
BR72ZZ		7	3.0	0.15	385	127	63000	3.15	6.2	0.15	0.49
BR93ZZ	3	9	4	0.15	570	187	56000	4.35	7.9	0.15	1.18
BR84ZZ	4	8	3	0.1	395	139	56000	5	7.4	0.15	0.56
BR104ZZ		10	4	0.15	710	270	48000	5.9	8.8	0.2	1.42
BR95ZZ	5	9	3	0.15	430	168	50000	6	8.4	0.15	0.58
BR105ZZ		10	4	0.15	430	168	50000	6	8.4	0.15	1.29
BR115ZZ	6	11	4	0.15	715	276	45000	6.81	9.9	0.15	1.5
BR126ZZ		12	4	0.15	715	292	43000	7.2	10.9	0.2	1.74
BR148ZZ	8	14	4	0.15	817	386	38000	9.26	12.8	0.15	2.16

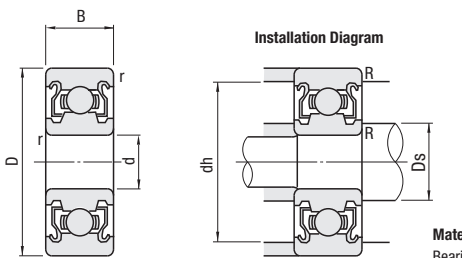
Part Number Example Part Number  
B626ZZ

# Deep Groove Ball Bearings

Small, Double Shielded, Stainless Steel



**SB6\_ZZ**  
**SB6\_AZZ**  
**SBR\_ZZ**  
**SBR\_AZZ**



**Installation Diagram**

**Material:** 440C Stainless Steel or Equivalent  
**Bearing Accuracy:** JIS B 1514 Class 0

Part Number	d	D	B	r (min)	Basic Load Rating		Allowable Rotational Speed rpm (Reference)	Relative Dimensions			Mass (g) (Reference)
					Cr (Dynamic) N	Cor (Static) N		Ds (min)	dh (max.)	R (max.)	
SB682ZZ	2	5	2.3	0.08	143	40	85000	2.7	3.9	0.08	0.17
SB692ZZ		6	3.0	0.15	281	79	75000	3.0	4.8	0.15	0.38
SB602ZZ		7	3.5		328	102	60000	3.2	5.8	0.15	0.58
SB682AZZ	2.5	6	2.6	0.08	178	59	71000	3.7	4.9	0.08	0.29
SB692AZZ		7	3.5	0.15	328	102	63000	3.85	5.65	0.15	0.55
SB673ZZ	3	6	2.5	0.1	178	59	71000	3.6	5.4	0.08	0.2
SB683ZZ		7	3	0.1	331	104	63000	3.9	5.8	0.1	0.45
SB693ZZ		8	4	0.15	474	144	60000	4.2	6.8	0.15	0.83
SB603ZZ		9	5	0.15	485	151	56000	4.2	7.8	0.15	1.45
SB623ZZ		10	4	0.15	536	175	50000		8.8	0.15	1.66
SB633ZZ		13	5	0.2	1105	388	40000	4.6	11.4	0.2	3.33
SB674ZZ		7	2.5	0.1	217	86	60000	4.6	6.4	0.08	0.28
SB684ZZ		9		0.1	544	179	53000	5.0	7.8	0.1	1.01
SB694ZZ		11	4	0.15	607	220	48000	5.2	9.8	0.15	1.75
SB604ZZ		12		0.2	813	276	48000	5.6	10.4	0.2	2.29
SB624ZZ	13			1105	386	40000	5.6	11.4	0.2	3.04	
SB634ZZ	16	5	0.3	1139	418	36000	6	14	0.3	5.21	
SB675ZZ	8	2.5	0.1	174	72	53000	5.8	7.4	0.1	0.34	
SB685ZZ	11	5	0.15	607	225	45000	6.2	9.8		1.96	
SB695ZZ	13	4		915	344	43000		11.4	0.2	2.5	
SB605ZZ	14	5	0.2	1105	404	40000	6.6	12.4		3.48	
SB625ZZ	16		0.3	1470	536	36000	7	14		4.86	
SB635ZZ	19	6		1986	708	32000	7	17	0.3	8.34	
SB676ZZ	10	3	0.1	396	174	45000	7.04	9.3	0.1	0.68	
SB686ZZ	13		0.15	918	352	40000	7.0	11.8		2.69	
SB696ZZ	15	5	0.2	1139	418	40000	7.6	13.4	0.2	3.72	
SB606ZZ	17			1921	668	38000		15		6.08	
SB626ZZ	19	6	0.3	1986	708	32000	8	17	0.3	7.94	
SB636ZZ	22	7		2833	1138	30000	8	20		14.5	
SB678ZZ	12	3.5	0.1	434	219	40000	9.05	11.33	0.1	0.97	
SB688ZZ	16	5	0.2	1368	568	36000	9.6	14.4	0.2	4.02	
SB698ZZ	19	6		1901	728	36000		17		7.18	
SB608ZZ	22	7		2799	1103	34000	10	20		12	
SB628ZZ	24	8	0.3	2833	1138	28000		22	0.3	17	
SB638ZZ	28	9		3879	1586	28000	10	26		30.3	

## Non-Standard Size

kgf=Nx0.101972

Part Number	d	D	B	r (min)	Basic Load Rating		Allowable Rotational Speed rpm (Reference)	Relative Dimensions			Mass (g) (Reference)
					Cr (Dynamic) N	Cor (Static) N		Ds (min)	dh (max.)	R (max.)	
SBR52ZZ	2	5	2.5	0.1	144	40	85000	2.7	4.4	0.1	0.23
SBR62ZZ		6	2.5	0.15	281	79	75000	3	5.4	0.15	0.29
SBR72ZZ		7	3.0	0.15	328	102	63000	3.15	6.2	0.15	0.49
SBR93ZZ	3	9	4	0.15	485	150	56000	4.35	7.9	0.15	1.18
SBR84ZZ	4	8	3	0.1	336	111	56000	5	7.4	0.15	0.56
SBR104ZZ		10	4	0.15	604	216	48000	5.9	8.8	0.2	1.42
SBR95ZZ	5	9	3	0.15	366	135	50000	6	8.4	0.15	0.58
SBR105ZZ		10	4	0.15	366	135	50000	6	8.4	0.15	1.29
SBR115ZZ	6	11	4	0.15	608	221	45000	6.81	9.9	0.15	1.5
SBR126ZZ		12	4	0.15	608	234	43000	7.2	10.9	0.2	1.74
SBR148ZZ	8	14	4	0.15	694	308	38000	9.26	12.8	0.15	2.16

Part Number Example Part Number  
SB636ZZ

Bearings with Housings / Bearings

Bearings with Housings / Bearings