

NEW

Clean-Room Grease-Filled Bearings

Bearing selection

Products Series

AISI 440C

AISI 304

AISI 630

High-Silicon

Pure Titanium

Ceramic

Heat Resistance

Grease Free

Low Torque

Solid Grease

Water-resistant
Food grade
Grease

Clean room
Grease

Vacuum
Grease

Conductive
Grease

Set
Screw

Alignment
Function

Flange
Unit

Guide
Wheel

Spherical
Outer ring

6800
6900

SS5200
5200

5800

Customization

Examples of
Use



Corrosion
resistance



Clean

By filling the bearings with low-dust-generation grease, they are ideal for use in production lines for semiconductors and high-performance films.

Features

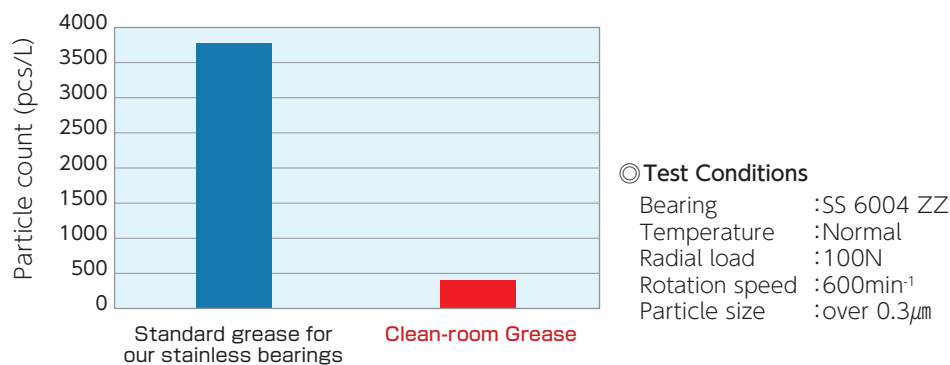
1. Filled with low-dust-generation grease
2. Suitable for use in clean rooms
3. For use in standard, non-pressurized environments

Product Specifications

Standard Specifications	
Inner and Outer Rings	AISI 440C
Balls	AISI 440C
Retainer	AISI 304
Shield	AISI 304
Seal	Nitrile rubber
Lubricant	Clean-room grease

Performance

Measurement results of particle emission



*Above performance values are based on our internal measurement results, and the values are not guaranteed values.

Applications

LCD and semiconductor manufacturing equipment, film manufacturing equipment, rollers used in clean rooms, other applications where particle generation must be minimized.

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Composition of bearing number

SS 6900 ZZ KR

1

2

3

4

1

 SS : Material AISI 440C

2

 Basic number

3

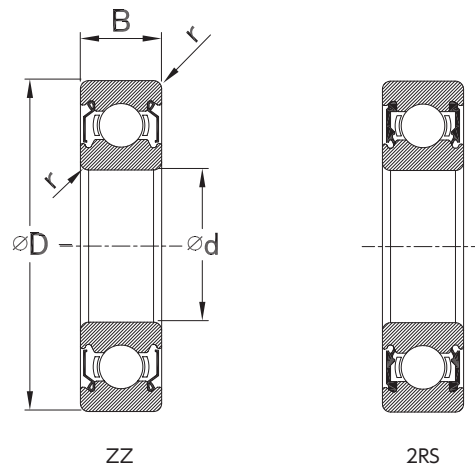
 ZZ : Double steel plate shields
2RS : Double contact rubber seals

4

 KR : Clean-room grease

Table of Dimensions

Bearing Numbers	d	D	B	r min.	Basic Load Ratings		Mass
					C _r	C _{or}	
					N	N	
SS 6800 KR	10	19	5	0.3	2120	985	5
SS 6900 KR	10	22	6	0.3	2700	1270	9
SS 6000 KR	10	26	8	0.3	4600	1970	18
SS 6200 KR	10	30	9	0.6	5100	2390	31
SS 6300 KR	10	35	11	0.6	8100	3450	52
SS 6801 KR	12	21	5	0.3	1920	1040	6
SS 6901 KR	12	24	6	0.3	2890	1460	10
SS 6001 KR	12	28	8	0.3	5100	2390	20
SS 6201 KR	12	32	10	0.6	6800	3050	36
SS 6301 KR	12	37	12	1.0	9700	4200	59
SS 6802 KR	15	24	5	0.3	2080	1260	7
SS 6902 KR	15	28	7	0.3	4300	2250	16
SS 6002 KR	15	32	9	0.3	5600	2840	30
SS 6202 KR	15	35	11	0.6	7650	3750	45
SS 6302 KR	15	42	13	1.0	11400	5450	81
SS 6803 KR	17	26	5	0.3	2630	1570	7
SS 6903 KR	17	30	7	0.3	4600	2550	17
SS 6003 KR	17	35	10	0.3	6000	3250	39
SS 6203 KR	17	40	12	0.6	9600	4800	63
SS 6303 KR	17	47	14	1.0	13600	6600	110
SS 6804 KR	20	32	7	0.3	4000	2460	17
SS 6904 KR	20	37	9	0.3	6400	3700	36
SS 6004 KR	20	42	12	0.6	9400	5050	65
SS 6204 KR	20	47	14	1.0	12800	6650	101
SS 6304 KR	20	52	15	1.1	15900	7850	142
SS 6805 KR	25	37	7	0.3	4300	2940	21
SS 6905 KR	25	42	9	0.3	7000	4550	42
SS 6005 KR	25	47	12	0.6	10100	5850	77
SS 6205 KR	25	52	15	1.0	14000	7900	127
SS 6305 KR	25	62	17	1.1	20600	11200	225
SS 6806 KR	30	42	7	0.3	4550	3400	24
SS 6906 KR	30	47	9	0.3	7250	5000	49
SS 6006 KR	30	55	13	1.0	13200	8300	114
SS 6206 KR	30	62	16	1.0	19500	11300	192
SS 6306 KR	30	72	19	1.1	26700	15000	342
SS 6807 KR	35	47	7	0.3	4750	3800	27
SS 6907 KR	35	55	10	0.6	10400	7200	74
SS 6007 KR	35	62	14	1.0	16000	10300	148
SS 6207 KR	35	72	17	1.1	25700	15400	276
SS 6307 KR	35	80	21	1.5	33300	19100	446



Bearing Numbers	d	D	B	r min.	Basic Load Ratings		Mass
					Cr	Cor	
	mm	mm	mm	mm	N	N	g
SS 6808 KR	40	52	7	0.3	4950	4200	30
SS 6908 KR	40	62	12	0.6	13700	9900	109
SS 6008 KR	40	68	15	1.0	16800	11600	186
SS 6208 KR	40	80	18	1.1	29100	17900	364
SS 6308 KR	40	90	23	1.5	40700	24000	616
SS 6909 KR	45	68	12	0.6	14100	10900	128
SS 6009 KR	45	75	16	1.0	21000	15100	237
SS 6209 KR	45	85	19	1.1	32700	20500	401
SS 6309 KR	45	100	25	1.5	53000	32000	811
SS 6910 KR	50	72	12	0.6	14500	11700	130
SS 6010 KR	50	80	16	1.0	21800	16600	254
SS 6210 KR	50	90	20	1.1	35100	23200	452
SS 6310 KR	50	110	27	2.0	62000	38200	1044
SS 6911 KR	55	80	13	1.0	16600	14100	184
SS 6011 KR	55	90	18	1.1	28300	21300	376
SS 6211 KR	55	100	21	1.5	43400	29400	584
SS 6311 KR	55	120	29	2.0	71600	44800	1336
SS 6912 KR	60	85	13	1.0	20200	17300	192
SS 6012 KR	60	95	18	1.1	29400	23200	405
SS 6212 KR	60	110	22	1.5	52400	36100	764
SS 6312 KR	60	130	31	2.1	81800	52000	1676
SS 6913 KR	65	90	13	1.0	17400	16000	209
SS 6013 KR	65	100	18	1.1	30500	25200	428
SS 6213 KR	65	120	23	1.5	57200	40000	975
SS 6914 KR	70	100	16	1.0	23700	21100	334
SS 6014 KR	70	110	20	1.1	38000	30900	596
SS 6214 KR	70	125	24	1.5	62200	44000	1049
SS 6915 KR	75	105	16	1.0	24300	22600	351
SS 6015 KR	75	115	20	1.1	39500	33500	622
SS 6916 KR	80	110	16	1.0	25000	23900	369
SS 6016 KR	80	125	22	1.1	47700	39700	833

Bearing
selectionProducts
SeriesAISI
440CAISI
304AISI
630High-
SiliconPure
Titanium

Ceramic

Heat
ResistanceGrease
FreeLow
TorqueSolid
GreaseWater-resistant
Food grade
GreaseClean room
GreaseVacuum
GreaseConductive
GreaseSet
ScrewAlignment
FunctionFlange
UnitGuide
WheelSpherical
Outer ring6800
6900SS5200
5200

5800

Customization

Examples
of Use