

NEW

Vacuum 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



Vacuum



Filled with fluorine grease for vacuum environments, enabling use in vacuum applications where conventional grease-lubricated bearings are not suitable.

Features

- 1. Filled with low-vapor-pressure grease for vacuum environments
- 2. Low particle generation

Product Specifications

Standard Specifications	
Inner and Outer Rings	AISI 440C
Balls	AISI 440C
Retainer	AISI 304
Shield	AISI 304
Lubricant	Fluorine grease for vacuum environments

Applications

Vacuum equipment, vacuum pumps, LCD and semiconductor manufacturing equipment, film manufacturing equipment.

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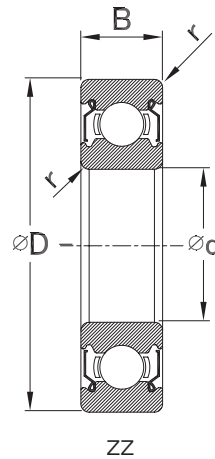
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Composition of bearing number

1 2 3 4 SS 6000 ZZ KP				1 SS : Material AISI 440C
				2 Basic number
				3 ZZ : Double steel plate shields
				4 KP : Fluorine grease for vacuum environments

Table of Dimensions

Bearing Numbers	d	D	B	r min.	Basic Load Ratings		Mass
	mm	mm	mm	mm	C _r N	C _{or} N	
SS 6800 ZZ KP	10	19	5	0.3	2120	985	5
SS 6900 ZZ KP	10	22	6	0.3	2700	1270	9
SS 6000 ZZ KP	10	26	8	0.3	4600	1970	18
SS 6200 ZZ KP	10	30	9	0.6	5100	2390	31
SS 6300 ZZ KP	10	35	11	0.6	8100	3450	52
SS 6801 ZZ KP	12	21	5	0.3	1920	1040	6
SS 6901 ZZ KP	12	24	6	0.3	2890	1460	10
SS 6001 ZZ KP	12	28	8	0.3	5100	2390	20
SS 6201 ZZ KP	12	32	10	0.6	6800	3050	36
SS 6301 ZZ KP	12	37	12	1.0	9700	4200	59
SS 6802 ZZ KP	15	24	5	0.3	2080	1260	7
SS 6902 ZZ KP	15	28	7	0.3	4300	2250	16
SS 6002 ZZ KP	15	32	9	0.3	5600	2840	30
SS 6202 ZZ KP	15	35	11	0.6	7650	3750	45
SS 6302 ZZ KP	15	42	13	1.0	11400	5450	81
SS 6803 ZZ KP	17	26	5	0.3	2630	1570	7
SS 6903 ZZ KP	17	30	7	0.3	4600	2550	17
SS 6003 ZZ KP	17	35	10	0.3	6000	3250	39
SS 6203 ZZ KP	17	40	12	0.6	9600	4800	63
SS 6303 ZZ KP	17	47	14	1.0	13600	6600	110
SS 6804 ZZ KP	20	32	7	0.3	4000	2460	17
SS 6904 ZZ KP	20	37	9	0.3	6400	3700	36
SS 6004 ZZ KP	20	42	12	0.6	9400	5050	65
SS 6204 ZZ KP	20	47	14	1.0	12800	6650	101
SS 6304 ZZ KP	20	52	15	1.1	15900	7850	142
SS 6805 ZZ KP	25	37	7	0.3	4300	2940	21
SS 6905 ZZ KP	25	42	9	0.3	7000	4550	42
SS 6005 ZZ KP	25	47	12	0.6	10100	5850	77
SS 6205 ZZ KP	25	52	15	1.0	14000	7900	127
SS 6305 ZZ KP	25	62	17	1.1	20600	11200	225
SS 6806 ZZ KP	30	42	7	0.3	4550	3400	24
SS 6906 ZZ KP	30	47	9	0.3	7250	5000	49
SS 6006 ZZ KP	30	55	13	1.0	13200	8300	114
SS 6206 ZZ KP	30	62	16	1.0	19500	11300	192
SS 6306 ZZ KP	30	72	19	1.1	26700	15000	342
SS 6807 ZZ KP	35	47	7	0.3	4750	3800	27
SS 6907 ZZ KP	35	55	10	0.6	10400	7200	74
SS 6007 ZZ KP	35	62	14	1.0	16000	10300	148
SS 6207 ZZ KP	35	72	17	1.1	25700	15400	276
SS 6307 ZZ KP	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 ZZ KP	40	52	7	0.3	4950	4200	30
SS 6908 ZZ KP	40	62	12	0.6	13700	9900	109
SS 6008 ZZ KP	40	68	15	1.0	16800	11600	186
SS 6208 ZZ KP	40	80	18	1.1	29100	17900	364
SS 6308 ZZ KP	40	90	23	1.5	40700	24000	616
SS 6909 ZZ KP	45	68	12	0.6	14100	10900	128
SS 6009 ZZ KP	45	75	16	1.0	21000	15100	237
SS 6209 ZZ KP	45	85	19	1.1	32700	20500	401
SS 6309 ZZ KP	45	100	25	1.5	53000	32000	811
SS 6910 ZZ KP	50	72	12	0.6	14500	11700	130
SS 6010 ZZ KP	50	80	16	1.0	21800	16600	254
SS 6210 ZZ KP	50	90	20	1.1	35100	23200	452
SS 6310 ZZ KP	50	110	27	2.0	62000	38200	1044
SS 6911 ZZ KP	55	80	13	1.0	16600	14100	184
SS 6011 ZZ KP	55	90	18	1.1	28300	21300	376
SS 6211 ZZ KP	55	100	21	1.5	43400	29400	584
SS 6311 ZZ KP	55	120	29	2.0	71600	44800	1336
SS 6912 ZZ KP	60	85	13	1.0	20200	17300	192
SS 6012 ZZ KP	60	95	18	1.1	29400	23200	405
SS 6212 ZZ KP	60	110	22	1.5	52400	36100	764
SS 6312 ZZ KP	60	130	31	2.1	81800	52000	1676
SS 6913 ZZ KP	65	90	13	1.0	17400	16000	209
SS 6013 ZZ KP	65	100	18	1.1	30500	25200	428
SS 6213 ZZ KP	65	120	23	1.5	57200	40000	975
SS 6914 ZZ KP	70	100	16	1.0	23700	21100	334
SS 6014 ZZ KP	70	110	20	1.1	38000	30900	596
SS 6214 ZZ KP	70	125	24	1.5	62200	44000	1049
SS 6915 ZZ KP	75	105	16	1.0	24300	22600	351
SS 6015 ZZ KP	75	115	20	1.1	39500	33500	622
SS 6916 ZZ KP	80	110	16	1.0	25000	23900	369
SS 6016 ZZ KP	80	125	22	1.1	47700	39700	833

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