

Bearing
selection

Products
Series

AISI
440C

AISI
304

AISI
630

Pure
Titanium

Ceramic

Heat
Resistance

Grease
Free

Low
Torque

Solid
Grease

Set
Screw

Alignment
Function

Flange
Unit

Guide
Wheel

6800
6900

SS5200
5200

5800

Customization

Examples
of Use

SSXC Series Stainless Bearings with Set Screw



Corrosion
resistance



High-load
environment



Transportation



Improving workability by mounting with set screw and no need
for collars to fix or locate bearings.

Features

1. Secure fastening by set screw prevents creeping between shaft and bore
2. Free from abrasion powder caused by creeping
Suitable for use in such environment like clean room where powder dust is not allowed
3. Heat-resistant temperature of standard specifications is the same as SS series

Product Specifications

Standard Specifications	
Inner and Outer Rings	AISI 440C
Balls *1	AISI 440C
Retainer	AISI 304
Shield	AISI 304
Set screw	AISI 304 equivalent
Lubricant *2	Heat-resistant grease

The following special specifications are also available.

*1 Ceramic balls (Silicon Nitride Si₃N₄)

*2 Chemical- and heat-resistant fluorine grease, food-grade grease, and other special greases

Applications

Food processing machinery, cleaning equipment, LCD and semiconductor manufacturing equipment, carrier device in a watery environment, other equipment used in environments with high temperatures and high humidity.

Precautions

Please refer to the chart for the tightening torque.

Too much torque may damage the bearing. Adhesive bond is not recommended that may increase the tightening force and result in the breakage of bearing.

Tightening torque

Set screw size	Tightening torque N·m
M3	0.7
M4	1.8
M5	3.0
M6	4.0

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Composition of bearing number

SS XC 200 ZZ

1 2 3 4

- 1 SS : Material AISI 440C
- 2 XC : With set screw
- 3 Basic number
- 4 Blank : Open
ZZ : Double steel plate shields

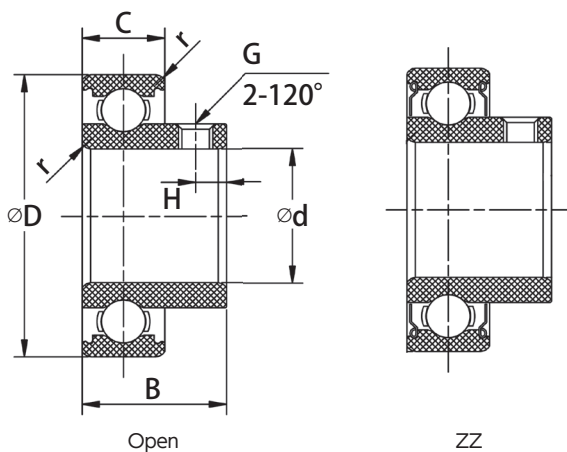
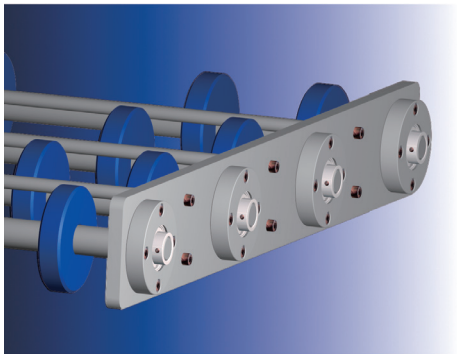


Table of Dimensions

Bearing Numbers	d		D	B	C	G	H	r min.	Basic Load Ratings		Mass
	mm	Tolerance	mm	mm	mm	—	mm	mm	Cr N	Cor N	g
SS XC900	10	+0.015 0	22	13	6	M3	3.0	0.3	2700	1270	13
SS XC000	10		26	15	8	M3	3.0	0.3	4600	1970	24
SS XC200	10		30	17	9	M4	3.5	0.6	5100	2390	41
SS XC901	12		24	13	6	M3	3.0	0.3	2890	1460	15
SS XC001	12		28	15	8	M3	3.0	0.3	5100	2390	27
SS XC201	12		32	19	10	M4	3.5	0.6	6800	3050	47
SS XC902	15		28	14	7	M3	3.0	0.3	4300	2250	21
SS XC002	15	+0.018 0	32	16.5	9	M3	3.0	0.3	5600	2840	39
SS XC202	15		35	20	11	M4	3.5	0.6	7650	3750	58
SS XC903	17		30	14	7	M3	3.0	0.3	4600	2550	23
SS XC003	17		35	17.5	10	M4	3.5	0.3	6000	3250	51
SS XC203	17		40	21	12	M5	4.5	0.6	9600	4800	83
SS XC904	20		37	18	9	M4	3.5	0.3	6400	3700	51
SS XC004	20		42	21	12	M5	4.5	0.6	9400	5050	86
SS XC204	20	+0.021 0	47	23	14	M5	4.5	1.0	12800	6650	127
SS XC905	25		42	18	9	M4	3.5	0.3	7000	4550	62
SS XC005	25		47	22	12	M5	4.5	0.6	10100	5850	103
SS XC205	25		52	26	15	M5	4.5	1.0	14000	7900	162
SS XC906	30		47	18	9	M4	3.5	0.3	7250	5000	69
SS XC006	30		55	24.5	13	M5	5.0	1.0	13200	8300	152
SS XC206	30		62	28.5	16	M6	5.5	1.0	19500	11300	252
SS XC207	35	+0.021 0	72	33	17	M6	6.5	1.1	25700	15400	378



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