Koyo®

For More Reliable Semiconductor and LCD Production Process

Solid Lubricant Bearings

EXSEV Bearing Series

CLEANPro³ Bearings



Clean

Vacuum

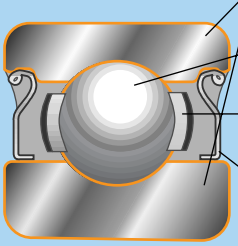
High Temperature

Features

Cleanliness: Class 10 compatible
Operating pressure: Atmospheric pressure to high vacuum(10^{-5} Pa)
Operating temperature: -70℃ to 260℃
Standard type is useable up to 200℃. Use high temperature type if operating temperature may exceed 200℃.

Specifications

Stainless steel bearing components have a specific fluorocarbon polymeric coating, achieving reduced particle generation and degassing. Optimal for vacuum or clean environment applications.
The fine polymeric coating ensures low torque, long life bearing performance.



Outer ring and inner ring
Martensitic stainless steel

Balls
Martensitic stainless steel or ceramics

Cage
Austenitic stainless steel

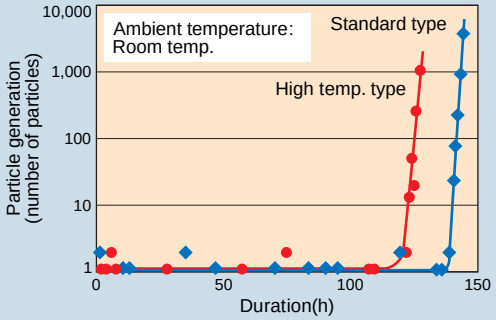
Shield
Austenitic stainless steel

Lubrication
Fluorocarbon-base polymeric coating

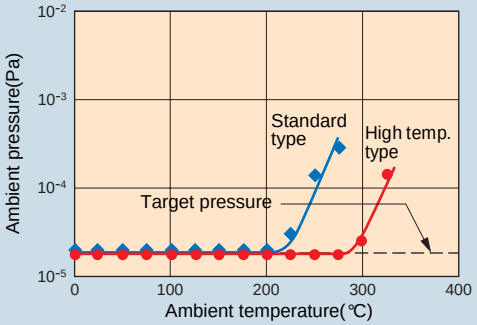
Performance

Particle generation characteristics

(number of particles/0.1ft³)



Degassing characteristics



ISO9001/QS-9000
Certificate No. 927265

KOYO SEIKO CO., LTD.

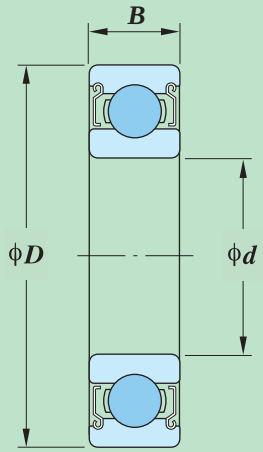
CleanPro³ Bearing Numbering System

Typical bearing number

SE 6002ZZ ST PRB C3 YS

- YS — Cage code
- C3 — Internal clearance code
- PRB — Lubrication code (PR :Standard type 200℃ / PRB:High temperature type 260℃)
- ST — Bearing rings material code
- 6002ZZ — Basic bearing number
- SE — Solid lubricant bearing series

Bearing Dimensions



Boundary dimensions (mm) d	D	B	60 Series	62 Series
6	17	6	SE606ZZSTPRC3	
	19	6		◯ SE626ZZSTPRC3
8	22	7	◯ SE608ZZSTPRC3	
	24	8		SE628ZZSTPRC3
10	26	8	◯ SE6000ZZSTPRC3	
	30	9		◯ SE6200ZZSTPRC3
12	28	8	◯ SE6001ZZSTPRC3	
	32	10		◯ SE6201ZZSTPRC3
15	32	9	◯ SE6002ZZSTPRC3	
	35	11		◯ SE6202ZZSTPRC3
17	35	10	SE6003ZZSTPRC3	
	40	12		SE6203ZZSTPRC3
20	42	12	◯ SE6004ZZSTPRC3	
	47	14		◯ SE6204ZZSTPRC3
25	47	12	SE6005ZZSTPRC3	
	52	15		SE6205ZZSTPRC3
30	55	13	SE6006ZZSTPRC3	
	62	16		SE6206ZZSTPRC3

◯Bearings marked with a circle will be shipped immediately.
Bearings of different dimensions are available by request.

For more information, contact your nearest Koyo representative or Koyo product distributor.

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☆KOYO SEIKO CO., LTD.(Japan)is certified to ISO9001. ∗:ISO9002 certified. ∗∗:ISO9001 certified.

Value & Technology

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