

# Koyo®

## High-reliability Rolling Bearings

### EXSEV Bearing Series

## Insulated Ceramic Bearings



Insulation

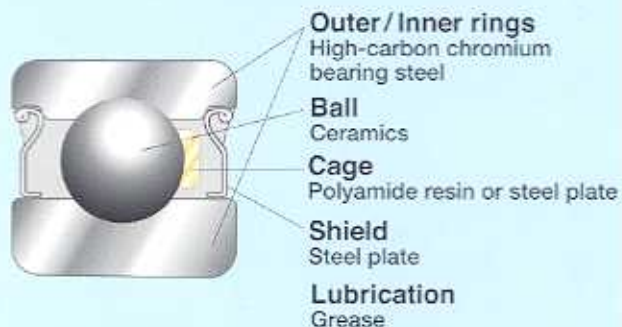
Long-life

### Applications

- Motors of various types
- Equipment that requires high reliability

### Specifications and Advantages

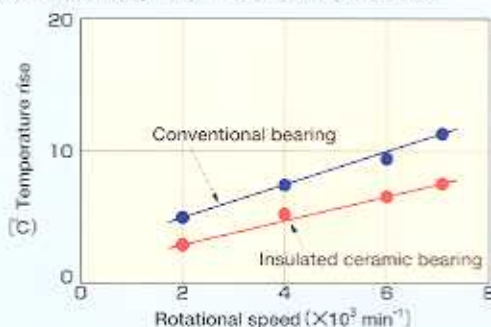
- Ceramic rolling elements (balls) are provided.



- Thanks to highly rigid ceramic balls, heat generation in the bearing interior is reduced compared with conventional bearings. Accordingly, grease is exposed to lower thermal loads, extending service life.
- Ceramic balls are insulators and do not allow electric current to pass, demonstrating high reliability in applications where electric pitting is possible, such as in a motor.

### Performance

#### Service temperature characteristics



ISO9001/QS-9000  
Certificate No. 927265

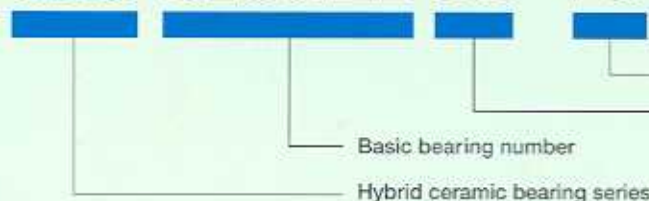
**KOYO SEIKO CO., LTD.**

CAT.NO.185E

## Numbering System

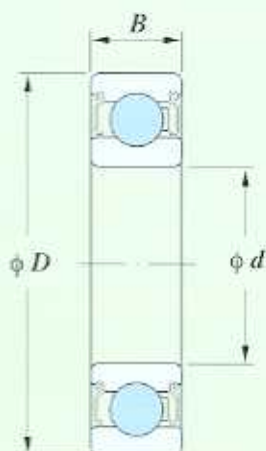
Typical bearing number

**3NC 6203ZZ C3 FG**



FG: polyamide resin  
Cage code; // : Steel plate  
Internal clearance code

## Bearing Dimensions



Boundary dimensions (mm)			62 Series	63 Series
$d$	$D$	$B$		
12	32	10	3NC6201ZZC3	
	37	12		3NC6301ZZC3
15	35	11	3NC6202ZZC3	
	42	13		3NC6302ZZC3
17	40	12	3NC6203ZZC3	
	47	14		3NC6303ZZC3
20	47	14	3NC6204ZZC3	
	52	15		3NC6304ZZC3
25	52	15	3NC6205ZZC3	
	62	17		3NC6305ZZC3
30	52	16	3NC6206ZZC3	
	72	19		3NC6306ZZC3
35	72	17	3NC6207ZZC3	
	80	21		3NC6307ZZC3
40	80	18	3NC6208ZZC3	
	90	23		3NC6308ZZC3
45	85	19	3NC6209ZZC3	
	100	25		3NC6309ZZC3
50	90	20	3NC6210ZZC3	
	110	27		3NC6310ZZC3
55	100	21	3NC6211ZZC3	
	120	29		3NC6311ZZC3
60	110	22	3NC6212ZZC3	
	130	31		3NC6312ZZC3
65	120	23	3NC6213ZZC3	
	140	33		3NC6313ZZC3
70	125	24	3NC6214ZZC3	
	150	35		3NC6314ZZC3
75	130	25	3NC6215ZZC3	
	160	37		3NC6315ZZC3

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

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Value & Technology