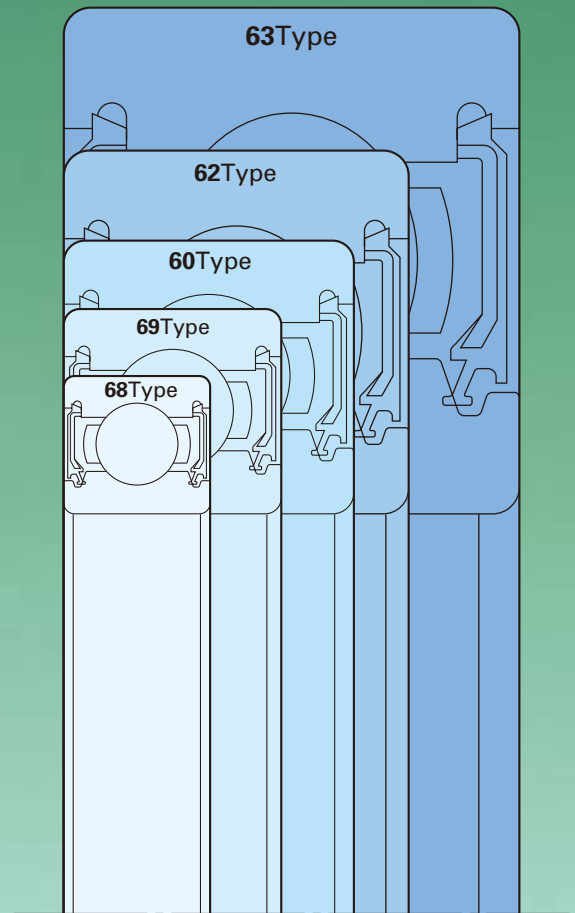


EXCEL[®] SERIES
RADIAL BALL BEARINGS
68 69 60 62 63 Type



Smooth NACHI Excel Series Quiet Long life



A new design for the next generation Responding to demands for higher performance.

Improved closure Special triple lip seals — Contact type & Labyrinth type

Reduced torque

- Low starting and Low running torque
— Energy saving —
- Revised internal design
— Diminished axial play —

Reduced running noise

- Improved accuracy of running elements
— Low running noise —
- Enhanced sound quality

Longer life

- Contains long life grease
— Wider application ranges —
- Equipped with high performance seals
— To keep out dust —

Ranges

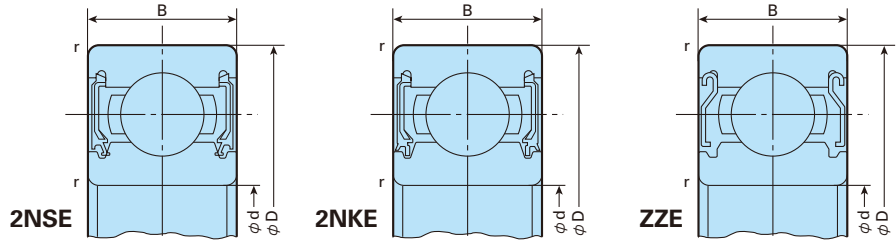
6800~6810
6900~6910
6000~6015
6200~6215
6300~6315

Type

Example:	Type of Closure	Excel series	Replacing
	Contact seals	6203-2NSE	6203-2NSL
	Labyrinth seals	6203-2NKE	6203-2NK
	Shields	6203ZZE	6203ZZ

EXCEL[®] SERIES RADIAL BALL BEARINGS

Boundary Dimensions



60, 62, 63Type

UNIT : mm

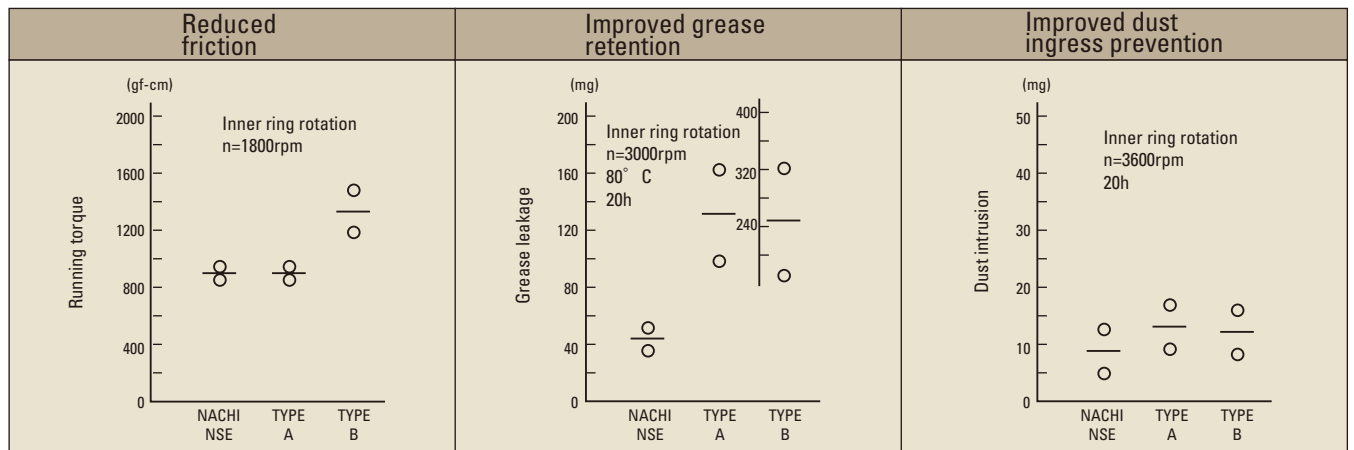
Bore Number	Bore Diameter d	6000Type (2NSE, 2NKE, ZZE)			6200Type (2NSE, 2NKE, ZZE)			6300Type (2NSE, 2NKE, ZZE)		
		D	B	r min	D	B	r min	D	B	r min
00	10	26	8	0.3	30	9	0.6	35	11	0.6
01	12	28	8	0.3	32	10	0.6	37	12	1
02	15	32	9	0.3	35	11	0.6	42	13	1
03	17	35	10	0.3	40	12	0.6	47	14	1
04	20	42	12	0.6	47	14	1	52	15	1.1
05	25	47	12	0.6	52	15	1	62	17	1.1
06	30	55	13	1	62	16	1	72	19	1.1
07	35	62	14	1	72	17	1.1	80	21	1.5
08	40	68	15	1	80	18	1.1	90	23	1.5
09	45	75	16	1	85	19	1.1	100	25	1.5
10	50	80	16	1	90	20	1.1	110	27	2
11	55	90	18	1.1	100	21	1.5	120	29	2
12	60	95	18	1.1	110	22	1.5	130	31	2.1
13	65	100	18	1.1	120	23	1.5	140	33	2.1
14	70	110	20	1.1	125	24	1.5	150	35	2.1
15	75	115	20	1.1	130	25	1.5	160	37	2.1

68, 69Type

UNIT : mm

Bore Number	Bore Diameter d	6800Type (2NSE, 2NKE, ZZE)			6900Type (2NSE, 2NKE, ZZE)		
		D	B	r min	D	B	r min
00	10	19	5	0.3	22	6	0.3
01	12	21	5	0.3	24	6	0.3
02	15	24	5	0.3	28	7	0.3
03	17	26	5	0.3	30	7	0.3
04	20	32	7	0.3	37	9	0.3
05	25	37	7	0.3	42	9	0.3
06	30	42	7	0.3	47	9	0.3
07	35	47	7	0.3	55	10	0.6
08	40	52	7	0.3	62	12	0.6
09	45	58	7	0.3	68	12	0.6
10	50	65	7	0.3	72	12	0.6

Major Improvements



* Test data was compiled from 6908 bearing using SHELL ALVANIA-2 grease.

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