

# NOMENCLATURE

## Ball Bearings

Basic Type & Series	
<b>1200:</b>	Metric, Self-aligning Light Series
<b>1300:</b>	Metric, Self-aligning Medium Series
<b>3200:</b>	Metric, 32° Double Row Angular Contact Light Series
<b>3300:</b>	Metric, 32° Double Row Angular Contact Medium Series
<b>5200:</b>	Metric, 24° Double Row Angular Contact Light Series
<b>5300:</b>	Metric, 24° Double Row Angular Contact Medium Series
<b>6800:</b>	Metric, Single Row Ultra Light Series
<b>6900:</b>	Metric, Single Row Extremely Light Series
<b>6000:</b>	Metric, Single Row Extra Light Series
<b>6200:</b>	Metric, Single Row Light Series
<b>6300:</b>	Metric, Single Row Medium Series
<b>6400:</b>	Metric, Single Row Heavy Series
<b>3NC:</b>	Ceramic Rolling Elements

Internal Clearance	
C1:	Smaller than C2
C2:	Smaller than Standard
No code:	Standard
C3:	Greater than Standard
C4:	Greater than C3
CD2:	Smaller than Standard (Double Row BB)
No code:	Standard (Double Row BB)
CD3:	Greater than Standard (Double Row BB)

Tolerance Code	
No Code:	ABEC 1 Precision
P6:	ABEC 3 Precision
P5:	ABEC 5 Precision

**62**

**05**

**ZZ**

**C3**

**FY**

**P5**

**XM**

Bore Size	
For bore series 04 and above,	
Bore Diameter = Bore Series X 5	
Bore Series	Bore Diameter
00:	10 mm
01:	12 mm
02:	15 mm
03:	17 mm
04:	20 mm
05:	25 mm
10:	50 mm
12:	60 mm
18:	90 mm

Retainer Codes	
No Code:	Pressed Steel Retainer
FY:	Machined Brass Retainer
FG:	Polyamide (Nylon) Retainer

Grease Code	Grease Trade Name	Operating Temperature Range
XM	Polyrex EM	-22° F to 338° F (-30 to 170 °C)
SR	Multemp SRL	-40° F to 266° F (-40 to 130 °C)
A2	Alvania #2	14° F to 212° F (-10 to 100 °C)
CR	Chevron SRI	32° F to 302° F (0 to 150 °C)

Shield / Seal Codes			Interchange							
One Side	Both Sides	Description	FAG	MRC	Nachi	NSK	NTN	SNR	SKF	Torrington/ Fafnir
Z	ZZ	Fixed Shield(s)	Z/ZZ	F/FF	Z/ZZ	Z/ZZ	Z/ZZ	Z/ZZ	Z/ZZ	D/DD
ZX	ZZX	Removable Shield(s)	N/A	L/LL	ZS/ZZS	ZS/ZZS	ZA/ZZA	N/A	N/A	N/A
RU	2RU	Non-contact Seal(s)	RSD/2RSD	N/A	NKE/2NKE	V/VV	LB/LLB	N/A	RZ/2RZ	PL/PPL
RS	2RS	Contact Seal(s)	RS/2RS	Z/ZZ	NSL/2NSL	DU/DDU	LU/LLU	E/EE	RS/2RS	P/PP
RK	2RK	Dbl lip Contact Seal(s)	N/A	N/A	N/A	N/A	LC/LLC	E10/EE10	N/A	Y/YY
RD	2RD	Extremely Light Contact Seal(s)	N/A	N/A	NSE/2NSE	N/A	LH/LLH	N/A	N/A	V/VV
RDT	2RDT	Same as 2RD - for Large Size Ball Bearings	N/A	N/A	NSE/2NSE	N/A	LH/LLH	N/A	N/A	V/VV
NR		Snap Ring on Outer Ring O.D.	NR	G	NR	NR	NR	NR	NR	G