



Bearing numbering system

CAGE				SEAL AND SHIELD			
STEEL RIBBON TYPE (SPCC, SUS304)		J		TEFLON SEAL WITH SNAP RINGS (PTFE) ON BOTH SIDES		TTS	
STEEL CROWN TYPE (SUS420J2, SUS304)		W		STEEL SHIELD WITH SNAP RINGS (SUS304) ON BOTH SIDES		ZZS	
RESIN CROWN TYPE (POLYAMIDE66)		TW		PRESSED STEEL SHIELD (SPCC, SECC-NC, SUS304) ON BOTH SIDES		ZZ	
STEEL RIVET TYPE (SPCC, SUS304)		RJ		CONTACT RUBBER SEALS (NBR+SPCC) ON BOTH SIDES		2RS	
FULL COMPLEMENT (WITHOUT CAGE)		V		CONTACT RUBBER SEALS FOR HIGH TEMPERATURE (FKM+SPCC) ON BOTH SIDES		2RS-V	
THRUST FM TYPE (SUS304)		TP		NON-CONTACT RUBBER SEAL (NBR-SPCC) ON BOTH SIDES		2RU	
THRUST F TYPE (C3604)		TD					

MATERIAL				RADIAL CLEARANCE				TOLERANCE CLASS			
HIGH CARBON CHROMIUM STEEL				STANDARD				·RADIAL & THRUST BALL BEARING			
SUJ2..... NO SYMBOL				C2, C0(CN), C3, C4, C5				ISO & JIS CLASS 0			
EQUIVALENT MATERIAL TYPE				MINIATURE				ISO & JIS CLASS 6			
SAE 52100, 100Cr6				MC1 0~5 μm				ISO & JIS CLASS 5			
STAINLESS STEEL				MC2 3~8 μm				ISO & JIS CLASS 4			
KS440 (ACD34, QD51)(OUTER & INNER RING)				MC3 5~10 μm				ANSI/ABMA ABEC1			
SUS440C (BALL)				MC4 8~13 μm				ANSI/ABMA ABEC3			
EQUIVALENT MATERIAL TYPE				MC5 13~20 μm				ANSI/ABMA ABEC5			
X65Cr13 (OUTER & INNER RING)				MC6 20~28 μm				ANSI/ABMA ABEC7			
AISI440C, X102CrMo17 (BALL)				SPECIAL CLESRANCE				·INSTRUMENT BALL BEARING			
STANDARD METRIC				RC(min)-(max)				ANSI/ABMA CLASS3P			
MR, MF, ET AND INCH SERIES		H S		e.g. RC3-18(= 3-18 μm)				ANSI/ABMA CLASS5P			

Ex.1			686		J	ZZ	NR			MC3		SRL
Ex.2		F	608		TW	2RS				MC4	P6	SRL
Ex.3		MR	52		W	ZZ				MC2	P5	AF2
Ex.4	S	MF	128		W	TTS	BW4		CB	RC5-13	P6	SRL
Ex.5	S	ER	1458		W	ZZS				C0	A3	SRL
Ex.6			6205	H	RJ	2RS		S1		C3		AV2
Ex.7		F	6706	H	W	2RU				C0		SRL
Ex.8	S	R	144		J	ZZS				MC4	A5P	AF2
Ex.9		R	10		RJ	ZZ				C2		AV2
Ex.10		F	3-8M	H	TP							AF2

BEARING TYPE		RING SHAPE		LUBRICATION	
INCH	R	SNAP RING GROOVE IN OUTER RING		EX. GREASE	
INCH WITH FLANGE	FR	SNAP RING GROOVE WITH SNAP RING IN OUTER RING		MULTEMP SRL (STANDARD)	
INCH WITH EXTENDED INNER RING	RW	SPECIAL WIDTH		ALVANIA NO.2 (SEMI STD)	
INCH WITH EXTENDED INNER RING AND FLANGE	FRW	EXTENDED OUTER RING		ISOFLEX SUPER LDS18 (LOW TEMP)	
METRIC STANDARD	NO SYMBOL	EXTENDED INNER RING		BEACON 325J (LOW TEMP)	
METRIC WITH FLANGE	F	SPECIAL OUTSIDE DIAMETER		CASSIDA RLS2 (FOOD)	
SPECIAL METRIC	MR	SPECIAL BORE DIAMETER		MOLYKOTE 44M (HIGH TEMP)	
SPECIAL METRIC WITH FLANGE	MF			KRYTOX 240AC (ULTRA HIGH TEMP)	
SPECIAL METRIC THIN TYPE	ET				
SPECIAL INCH THIN TYPE	ER				
THRUST WITH RACEWAY	FM				
THRUST WITHOUT RACEWAY	F				

BEARING BASIC PART NO.		DIMENSIONAL STABILIZATION TREATMENT	
SINGLE ROW DEEP GROOVE BALL BEARING METRIC		MAX. OPERATING TEMPERATURE	
SERIES 67,68,69,60,16,62,63		CODE	
METRIC SERIES BORE DIAMETER NUMBER: NUMBERS 1-9		120°C	
DENOTE BORE DIAMETERS IN MM		150°C	
1X=1.5mm, 2X=2.5mm		200°C	
00=10mm, 01=12mm, 02=15mm, 03=17mm		250°C	
04-96:X5 values denote bore dimensions in mm			

The following types of bearings would also be available upon request on certain conditions. Please contact us for the details.

SINGLE-ROW DEEP GROOVE FULL COMPLEMENT BALL BEARING
DOUBLE-ROW DEEP GROOVE BALL BEARING
SINGLE-ROW ANGULAR CONTACT BALL BEARING
DOUBLE-ROW ANGULAR CONTACT BALL BEARING
FOUR POINT CONTACT BALL BEARING
DUPLEX DEEP GROOVE BALL BEARING
DUPLEX ANGULAR CONTACT BALL BEARING
OUTER SURFACE SPECIAL SHAPE BALL BEARING (SPHERICAL SURFACE, R SURFACE, V GROOVE, U GROOVE, etc.)