

We pioneer motion

Bearings in the Cement & Mining Industry

Suffixes in the bearing designation

Deep Groove Ball Bearing



FAG

DGBB Interchange

Description		Interchange	
		FAG	SKF
PREFIX	INCH	Rxx	Rxx
	EXTRA SMALL	6xx	6xx
	EXTRA LIGHT	60xx	60xx
	LIGHT	62xx	62xx
	MEDIUM	63xx	63xx
	EXTRA THIN SECTION	618xx	618xx
	VERY THIN SECTION	619xx	619xx
	THIN SECTION	16xxx	16xxx
	MAXIMUM CAPACITY, LIGHT	2xx	2xx
	MAXIMUM CAPACITY, MEDIUM	3xx	3xx
Description		Interchange	
		FAG	SKF
SUFFIX	Deep groove ball bearing, Generation C	C	EC
	Solid cage made from glass fibre reinforced polyamide PA66	TVH	TN9
	Solid brass cage, ball guided	M	M
	Solid brass cage, guided on Outer ring / Inner ring	MA / MB	MA / MB
	Non contact seal on both sides (Labyrinth) / One side	2BRS / BRS	n/a
	Contact seal on both sides / one side (lip seal)	2HRS / HRS	2RSL / RSL
	Contact seal on both sides / one side (lip seal)	2RSR / RSR	2RSH / RSH
	Non contact seal on both sides / one side (sheet metal gap seal)	2Z / Z	2Z / Z
	Non contact seal on both sides / one side (rubberised gap seal)	2RZ / RZ	2RZ / RZ
	Clearance lower than CN normal	C2	C2
	Normal clearance	CN* - Blank	CN* - Blank
	Clearance higher than normal CN	C3	C3
	Clearance higher than C3	C4	C4
	Current insulated up to 1000VDC – outer ring coated	J20AA	VL0241
	Current insulated up to 1000VDC – outer ring coated	J20C	VL2071

Spherical Roller Bearing



FAG

SRB Interchange

Description		Interchange	
		FAG	SKF
PREFIX	VERY LIGHT	239xx	239xx
	LIGHT	230xx	230xx
	LIGHT, WIDE	240xx	240xx
	MEDIUM	231xx	231xx
	MEDIUM, WIDE	241xx	241xx
	HEAVY	222xx	222xx
	HEAVY, WIDE	232xx	232xx
	EXTRA HEAVY	213xx	213xx
	EXTRA HEAVY, WIDE	223xx	223xx
Description		Interchange	
		FAG	SKF
SUFFIX	X-life bearing	XL	-
	Two sheet steel cages, surface hardened, guidance on inner ring	BE	CC
	One brass double comb cage, guidance on inner ring, inner ring with two lateral retaining ribs	BEA-.- MB1	CA
	Two sheet steel cages, surface hardened or coated, guidance on outer ring	E1-XL	CC
	Contact seal (lip seal) on both sides with sheet steel reinforcement, made from nitrile rubber (NBR); grease fill level 25% to 40%, filled with high pressure grease	2RSR	CS
	Contact seal (lip seal) on both sides with sheet steel reinforcement, made from fluoro rubber (FKM); grease fill level 60% to 100%, filled with high temperature grease	2VSR	CS2
	Radial internal clearance C2 (smaller than normal)	C2	C2
	Radial internal clearance C3 (larger than normal)	C3	C3
	Radial internal clearance C4 (larger than C3)	C4	C4
	Tapered bore, taper 1:12	K	K
	Tapered bore, taper 1:30	K30	K30
	For oscillating load with restricted diameter tolerances, radial internal clearance C4, bore with thin chromium coating	T41D	VA406
	For oscillating load with restricted diameter tolerances, radial internal clearance C4	T41A	VA405

Tapered Roller Bearing



FAG

TRB Interchange

Description		Interchange	
		FAG	SKF
PREFIX	LIGHT	302xx	302xx
	MEDIUM	303xx	303xx
	MEDIUM, STEEP ANGLE	313xx	313xx
	EXTRA LIGHT, WIDE	329xx	329xx
	VERY LIGHT, WIDE	320xx	320xx
	LIGHT, WIDE	322xx	322xx
	MEDIUM, WIDE	323xx	323xx
	VERY LIGHT EXTRA WIDE	330xx	330xx
	LIGHT, EXTRA WIDE	331xx	331xx
	MEDIUM, EXTRA WIDE	332xx	332xx
Description		Interchange	
		FAG	SKF
SUFFIX	X-life bearing	XL	-
	Modified internal construction (excluding bearings to ANSI/ABMA)	A	N/A
	Increased contact angle (for bearings to DIN)	B	B
	Two tapered roller bearings matched in an X arrangement, with an intermediate ring between the outer rings. Axial internal clearance between .. and .. in micro	DF-A-.-..	DF..
	External dimensions matched to international standards (for bearings to DIN)	X	X
	Two tapered roller bearings matched in an O arrangement, with an intermediate ring between the outer rings and the inner rings, axial internal clearance between .. and .. in microns	DB-A-.-..	DB..
	Two tapered roller bearings matched in a tandem arrangement, with an intermediate ring between the outer rings	DT	DT
	Bearing in tolerance class 5	P5	P5

Cylindrical Roller Bearing



FAG

CRB Interchange

Description		Interchange	
		FAG	SKF
PREFIX	SINGLE ROW, OUTER RING WITH 2 RIBS	NU	NU
	SINGLE ROW, INNER RING WITH 2 RIBS	N	N
	SINGLE ROW, 2 RIBS ON OUTER RING & 1 RIB ON INNER RING	NJ	NJ
	SINGLE ROW, 2 RIBS ON OUTER RING & 1 RIB ON INNER RING (WITH RIB WASHER)	NUP	NUP
	SINGLE ROW, 2 RIBS ON OUTER RING & 1 RIB ON INNER RING (WITH L-SECTION RING)	NJ + HJ	NJ + HJ
	DOUBLE ROW, 2 RIBS ON OUTER RING / 2 RIBS ON INNER RING	NN/NUU	NN/NUU
Description		Interchange	
		FAG	SKF
SUFFIX	Increased capacity design	E	EC
	X-life bearing	XL	-
	Solid window cage made from glass fibre reinforced polyamide PA66	TVP2	P
	Sheet steel window cage, single-piece, roller-guided	JP3	J
	Solid brass cage, two-piece, roller-guided	M1	M
	Solid brass cage, two-piece, rib-guided on outer ring	M1A	MA
	Solid brass cage, two-piece, rib-guided on inner ring	M1B	MB
	Solid brass cage, single-piece, rib-guided on outer ring	MPAX	ML
	Machined brass cage, single-piece, rib-guided on inner ring	MPBX	MP
	Clearance lower than CN normal	C2	C2
	Normal clearance	CN* - Blank	CN* - Blank
	Clearance higher than normal CN	C3	C3
	Clearance higher than C3	C4	C4
	Current insulated up to 1000VDC – outer ring coated	J20AA	VL0241
	Current insulated up to 1000VDC – inner ring coated	J20C	VL2071
	Snap ring groove on outer ring	N	N
	Snap ring groove on outer ring, with snap ring	NR	NR
	Modified internal construction	A	A
	Increased capacity design, design modified in accordance with standard (cannot be interchanged with parts from the previous E design of the same size)	EX	EX
	Bearing with groove in the surface of the outer ring	N*	N*
	Lubrication groove and lubrication holes in the outer ring	S	L1
	Low tolerance level of a one third radial clearance range	C*/3L	C*L
	Medium tolerance level of a one third radial clearance range	C*/3M	C*M
	High tolerance level of a one third radial clearance range	C*/3H	C*H
	Black oxide coated (INA designation)	BR	L4B
	Technical specification	F*	V*
	Technical specification	H*	V*
	Rings and rolling elements with black oxide coating (FAG designation)	J30PC	L4B
	Changed raceway profile	QP*	VQ*
	Heat treatment and stabilization	S*	S*
	Full complement cylindrical roller bearings with self-retaining roller set	VH	VH
	Material / heat treatment and stabilization	W*	S*