

NTN Bearings Prefix and Suffix

Prefix	Suffix	Definition
.	+A	WITH SPACER FOR INCH SERIES DOUBLE TAPERED ROLLER BEARING
.	+AH	REMOVAL SLEEVE WITH MM THREAD
.	+BH	SPECIAL SLEEVE
.	+H	ADAPTER SLEEVE WITH MM THREAD
.	+I	BEARING WITH SPACER, WIDTH OF SPACER IS - IN MM
.	-0	ASA GRADE CLASS 0 FOR TAPERED ROLLER BEARING
.	-00	ASA GRADE CLASS 00 FOR TAPERED ROLLER BEARING
.	-2	ASA GRADE CLASS 2 FOR TAPERED ROLLER BEARING
.	-3	ASA GRADE CLASS 3 FOR TAPERED ROLLER BEARING
.	-A	WITHOUT SPACER
.	/-	SPECIAL O.D., SIZE - IN MM
.	/-	SPECIAL BORE, SIZE - IN MM, EX. 1 -INCH BORE: /25.4
.	/1C	LUBE. CHEVRON OIL, OHT
.	/1W	LUBE. (/XG) , ANDERSON OIL, WINDSOR LUBE LUBE L-245X, MIL-L-6085A
.	/2A	LUBE. SHELL OIL, ALVANIA #2, M1L-G-18709A
.	/2C	LUBE. CHEVRON OIL, BRB #2, MIL-G-3545C
.	/2D	LUBE. (XG) , DOW CORNING OIL, DC510 50CS FLUID, MIL-L-27694
.	/2P	LUBE. (/XG) , W.R. AND C. CO., PLASTILUBE \$2
.	/2T	LUBE. (/XG) , NTN, DVL-1
.	/33P	LUBE. (/XG,) DOW CORNING OIL, DC33M
.	/3A	LUBE. SHELL OIL, ALVANIA #3
.	/3C	LUBE. (/XG) , SHELL OIL, CYPRINA #3, MIL-G-18709A
.	/3D	LUBE. (/XG) , DOW

.		CORNING OIL, 3451 FL
.	/3E	LUBE. EXXON OIL, BEACON 325
.	/3L	LUBE., DOW CORNING OIL, DC33L
.	/3P	LUBE. (/XG) , W.R. AND C. CO ., PLASTILUBE I3
.	/44L	LUBE, (/XG) , DOW CORNING OIL, DC44L
.	/4A	LUBE., SHELL OIL ALVANIA RA
.	/4C	LUBE., TEXACO OIL, UNITEMP 500
.	/4E	LUBE., EXXON OIL, ANDOK-260, MIL-G-3545C
.	/4L	LUBE. (/XG) , DOW CORNING OIL, DC44M WITH MOS2 (5 PERCENT)
.	/4M	LUBE., DOW CORNING OIL, DC44M, MIL-G-15719A
.	/5C	LUBE., CHEVRON OIL, SRI 12, MIL-G-3545C
.	/6A	LUBE. (/XG) , SHELL OIL DARINA 32
.	/7A	LUBE. (/XG) , SHELL OIL, ALVANIA EP-1
.	/8A	LUBE., SHELL OIL, ALVANIA EP-2
.	/8B	LUBE. (/XG) , MOBIL OIL, MOBILPLEX 48
.	/8E	LUBE. (/XG) , STANDARD OIL, RYKON 13
.	/ASF 12	LUBE. (/XG) SHELL OIL. AERO SHELL FLUID #12, MJL-L-6085A
.	/GH	HEAVY PRELOAD
.	/GL	LIGHT PRELOAD
.	/GM	MEDIUM PRELOAD
.	/GN	NORMAL PRELOAD
.	/GXX	SPECIAL PRELOAD, EX. /G8: 8KG, /G085: 85KG, /G50: 500KG
.	/IB	LUBE. (/XG) , MOBIL OIL, BRB #1
.	/ID	LUBE. (/XG) , DUPONT, CRYTOX 240 AB, MIL- G-38220
.	/IE	LUBE. EXXON OIL, ANDOK- C
.	/IK	LUBE. KYODOO OIL, MULTEMP PS S2
.	/L458	KYODO YUSHI USDA H-1 (FOOD APPROVED) TEMP.

.		RANGE -20°C TO +200°C
.	/L596	CHEVRON FM GREASE EP2 (FOOD APPROVED) TEMP. RANGE -20°C TO + 150°C
.	/LP03	NTN SOLID GREASE IS NOT FOOD QUALITY
.	/LP06	NTN SOLID GREASE , FOOD QUALITY , TEMP. RANGE -10°C TO +80°C (MAX. 100°C OUTER RING TEMP.)
.	/OG	LUBE. (/XG) , NO GREASE FOR DOUBLE SEALED OR SHIELDED BEARING
.	/XG	SPECIAL GREASE REQUIRED
.	/ZG	ANY STANDARD GREASE, USUALLY 3A
.	A	CAGE GUIDED BY IN);ER OR OUTER RING
.	A	INTERNAL REDESIGN
.	A	CONTACT ANGLE 30 CEGREES FOR ANGULAR CONTACT BEARING
.	B	CAGE GUIDED BY ROJ LERS
.	B	INTERNAL REDESIGN
.	B	CONTACT ANGLE 40 CEGREES FOR ANGULAR CONTACT BEARING
.	B3	AFBMA GRADE ABEC-
.	B5	AFBMA GRADE ABEC-' OR RBEC-5
.	B5P	ABEC-5 FOR MICRO ; EARING
.	B7	AFBMA GRADE ABEC-'
.	B7P	ABEC-7 FOR MICRO ; EARING
.	B9	AFBMA GRADE ABEC-!
.	BSO	BRITISH STANDARD T LASS O
.	C	SPHERICAL ROLLER . EARING WITH SYMMETRICAL ROLLERS
.	C	HIGH CAPACITY DES. GN FOR RADIAL BALL BEARING
.	C	INTERNAL REDESIGN
.	C	CONTACT ANGLE 15 REGRESS FOR ANGULAR CONTACT BEARING
.	C2	RADIAL CLEARANCE ASS THAN NORRAAL
.	C3	RADIAL CLEARANCE REATER THAN NORMAL

C4	RADIAL CLEARANCE REATER THAN C3
C5	RADIAL CLEARANCE REATER THAN C4
CA	CONTACT ANGLE 20 - EGREES FOR ANGULAR CONTACT BEARING
CL	RADIAL CLEARANCE . ESS THAN C2
CM	SPECIAL RADIAL CL ARANCE FOR ELECTRIC MOTOR BEARING
CS	SPECIAL RADIAL CL ARANCE, - IS MEAN VALUE IN 0.001 MM UNITS
D	OIL HOLES IN RINC
D2	TWO BEARINGS, PARALLEL MOUNTING
D3	THREE BEARINGS, PARALLEL MOUNTING
DB	DUPLEX PAIR, BAC.1 -CO- BACK MOUNTING
DBF	THREE ANGULAR COI ACT BEARINGS -DB PAIR WITH THI) BEARING MOUNTED DF
DBT	.THREE ANGULAR COI -ACT BEARINGS -DB PAIR WITH THI: BEARING IN TANDEM
DF	DUPLEX PAIR, FACT TO- FACE MOUNTING
DFT	THREE ANGULAR CO; 3CT BEARINGS -CONSISTING OF DF .AIR WITH .THIRA BEARING MOUNTED IN TANDEM
DL	BEARING WITH OIL ROOVE AND HERE'S IN OUTER RING
DO	BEARING WITHOUT 1 GROOVE ANR> HOLES IN OUTER RING
DT	DUPLEX PAIR, TANR .RA MOUNTING
DTT	THREE ANGULAR CO: .ICT BEARINGS F.OUNTED IN TANDEM
E2	SPECIAL RACE CUR- .TURES (I.R. 1.04, O.R. L.OS)
E2	CROWNED OUTER RA, WAY (CYLINDRICAL TAPERED ROLLER BEARING) CROWNED OUTER

.	E3	RACEWAY AND ROLLERS (CYLINDRICAL AND TAPERED ROLLER BEARING,
.	E4	CROWNED INNER RACEWAY (CYLINDRICAL AND TAPERED ROLLER BEARING)
.	E5	CROWNED INNER RACEWAY AND ROLLERS (CYLINDRICAL AND TAPERED ROLLER BEARING)
.	E6	CROWNED INNER AND OUTER RACEWAY
.	E7	CROWNED RACEWAY AND ROLLERS
.	EL	CROWNED ROLLERS
.	EL	SPECIAL RACE CUR RURES (I.R. 1.02, O.R. 1.05) -
.	F	FELT SEAL ON ONE SIDE
.	F2	MACHINED STAINLESS STEEL CAGE
.	F3	MACHINED LEADED STEEL CAGE
.	F4	MACHINED DUCTILE IRON CAGE
.	F5	MACHINED CR - MO STEEL CAGE
.	F6	MACHINED NI - CR MO STEEL CAGE
.	FF	FELT SEALS ON BOTH SIDES
.	FL	MACHINED STEEL CAGES
.	G	SINGLE BEARING FLUSH GROUND SIDE SURFACES .
.	G	ONE PIECE CAGE W. H BROACHED POCKETS
.	G1	ONE PIECE BRASS CAGE WITH BROACHED POCKETS FOR ROLLER BEARING
.	G2	PIN TYPE CAGE FOR ROLLER BEARINGS
.	GD2 GL	DUPLEX PAIR, FLUSH . GROUND SIDE SURFACES FOR DB, DF AND DT
.	GDB	DB DUPLEX PAIR, FLUSH GROUND LIDE SURFACE
.	GDF	DF DUPLEX PAIR, FLUSH GROUND SIDE SURFACE
.	HM	POTENTIOMETER BEARING
.	J	PRESSED STEEL CAGE (NO SUFFIX FOR STANDARD

		DESIGN)
.	J2	MACHINED STEEL CAGE WITH SAME DESIGN AS J
.	JL	PRESSED STAINLESS STEEL CAGE
.	JR	RIVETED CAGE WHERE STANDARD SIZE IS USUALLY SPOT WELDED
.	JS	SPOT WELDED CAGE WHERE STANDARD SIZE IS USUALLY RIVETED
.	K	BEARING WITH A 1 TO TAPERED BORE EX. K30
.	K	BEARING WITH A 1 TO 12 TAPERED BORE
.	L	RUBBER SEAL (L TYPE) ON ONE SIDE
.	L3	MACHINED ALUMINUM BRASS CAGE
.	L5	MACHINED OIL-LESS BRONZE CAGE
.	L6	MACHINED-FORGED BRASS CAGE
.	L7	MACHINED IRON-SILICON BRONZE CAGE
.	L8	MACHINED BRASS BAR MATERIAL CAGE
.	LBLU	ONE LB AND ONE LU SEALS
.	LBZ	ONE LB SEAL AND ONE "Z" SHIELD
.	LC	SEAL WITH GUARD PLATE AND RUBBER ON ONE SIDE
.	LI	MACHINED BRASS CAGE
.	LIB	LIGHT CONTACT RUBBER SEALS OH BOTH SIDES (BLACK)
.	LL	TWO RUBBER SEALS (BLACK)
.	LLC	MOLDED RUBBER SEAL WITH GUARD PLATES ON BOTH SIDES
.	LLU	DOUBLE-LIP CONTACT RUBBER SEALS ON BOTH SIDES (RUST COLOR)
.	LU	DOUBLE-LIP CONTACT RUBBER SEAL ON ONE SIDE
.	LUA	POLYACRYLIC RUBBER SEAL ON ONE SIDE (BLUE COLOR)
.	LUA1	FLUOROCARBON RUBBER SEAL ON ONE SIDE (BROWN COLOR)

.	LUA2	SILICONE RUBBER SEAL ON ONE SIDE
.	LUAX	TIGHT CONTACT, POLYACRYLIC RUBBER SEAL ON ONE SIDE
.	LUX	TIGHT CONTACT DOUBLE- LIP RUBBER SEAL FOR FAN CLUTCH (GREEN)
.	LUZ	ONE LU SEAL AND ONE Z SHIELD
.	M2	ZINC PLATED CAGE
.	M3	NITRO-OXIDE TREATED CAGE
.	ML	PHOSPHATE TREATED CAGE
.	N	SNAP-RING GROOVE ON OUTER RING, BUT WITHOUT SNAP RING
.	NA	RADIAL CLEARANCE OF CYLINDRICAL . ROLLER BEARING WITH NON- INTERCHANGEABLE COMPONENTS
.	NR	SNAP RING ON OUTER RING
.	NRS	SNAP RING ON THE SAME SIDE AS THE Z SHIELD (FOR BALL BEARING) OR ON OPPOSITE-SIDE OF KF FLANGE (FOR ROLLER BEARING')
.	NS	GROOVE ON SAME SIDE AS NRS BUT WITHOUT SNAP RING
.	P4	ISO GRADE CLASS 4, APPROX. ABEC-7
.	P5	ISO GRADE CLASS 5, APPROX. ABEC-5
.	P6	ISO GRADE CLASS 6, APPROX. ABEC-3
.	PB	PRESSED PHOSPHOR- BRONZE CAGE
.	PM	MIL-B-17931C SPECIFICATION FOR U.S. NAVY
.	PXN	SPECIAL TOLERANCE, EX. PX1 . PX2
.	S	NYLON SEAL ON ONE SIDE
.	S2	LOW TORQUE REQUIREMENT
.	SS	NYLON SEALS ON BOTH SIDES
.	T2	NYLON OR TEFLON CAGE
.	T3	MACHINED RULON CAGE

.	TL	MACHINED PHENOLIC CAGE
.	U	4 TOP DESIGN WITH THROUGH-HARDENED STEEL FOR ISO (MM) SERIES TAPERED ROLLER BEARING
.	UA	NTN HEAVY DUTY SERIES, SPHERICAL ROLLER BEARING
.	UP	ULTRA-SUPER TOLERANCE, OVER P4
.	V	WITHOUT CAGE (FULL ROLLER TYPE)
.	VN	SPECIAL REQUIREMENT "V" INVOLVES ALL SUFFIXES EXCEPT TOLERANCE SEAL, SNAP RING AND TAPERED BORE, EX. VI, V2
.	W	SLOT OR KNOCK OUT HOLE ON RING
.	WL	OIL HOLE GROOVE OR SLOT ON CAGE
.	X	SNAP RING AND GROOVE CHANGED
.	X	SEAL DESIGN CHANGED
.	X	CAGE DESIGN CHANGED
.	XN	CHAMFER CHANGED, EX. XI, X2
.	Y	PRESSED BRASS OR BRONZE CAGE
.	Z	SHIELD ON ONE SIDE
.	ZA	REMOVABLE SHIELD HELD WITH SNAP RING ON ONE SIDE
.	ZL	STAINLESS STEEL SHIELD ON ONE SIDE
.	ZS	Z SHIELD ON FILLING SLOT SIDE OF MAXIMUM TYPE BALL BEARING
.	ZZ	TWO SHIELDS
.	ZZ1	STAINLESS STEEL SHIELDS ON BOTH SIDES
.	ZZA	TWO REMOVABLE SHIELDS HELD WITH SNAP RINGS
.	ZZA1	TWO REMOVABLE STAINLESS STEEL SHIELDS
.	ZZB	DOUBLE SHIELDS ON BOTH SIDES
.	ZZC	SEALS OF PLATE AND RUBBER HALF CIRCLE EACH ON BOTH SIDES

1C	.	CARBON STEEL OUTER RING
2C	.	CARBON STEEL FOR INNER AND OUTER RINGS
2E	.	CASE HARDENED STEEL FOR INNER AND OUTER RINGS (CARBURIZED)
2F	.	STAINLESS STEEL INNER AND OUTER RINGS
2H	.	HIGH TEMP, TOOL STEEL FOR INNER AND OUTER RINGS
2M	.	PLATING ON INNER AND OUTER RINGS
2N	.	SPECIAL MATERIAL FOR INNER AND OUTER RINGS
3A	.	AS TREATMENT FOR INNER RING AND BALLS
3C	.	CARBON STEEL FOR INNER RING AND ROLLERS
3E	.	CASE HARDENED STEEL INNER RING AND ROLLERS
3F	.	STAINLESS STEEL INNER RING AND BALLS
3H	.	HIGH TEMPERATURE TOOL STEEL INNER RING AND BALLS
3M	.	PLATING ON INNER RING AND BALLS
3N	.	SPECIAL MATERIAL FOR INNER RING AND ROLLERS
4C	.	CARBON STEEL OUTER RING AND ROLLERS
4E	.	CASE HARDENED STEEL OUTER RING AND ROLLERS
4F	.	STAINLESS STEEL OUTER RING AND BALLS
4H	.	HIGH TEMP, TOOL STEEL OUTER RING AND ROLLERS
4M	.	PLATING ON OUTER RING AND BALLS
4N	.	SPECIAL MATERIAL FOR OUTER RING AND ROLLERS
4T	.	NTN 4 TOP TAPERED ROLLER BEARING CASE HARDENED SPECIAL MATERIAL
5C	.	CARBON STEEL ROLLERS
5E	.	CASE HARDENED STEEL ROLLERS

5F	.	STAINLESS STEEL BALLS
5H	.	HIGH TEMPERATURE TOOL STEEL ROLLERS
5M	.	PLATING ON BALLS
5N	.	SPECIAL MATERIAL FOR ROLLERS
6A	.	AS TREATMENT FOR INNER RING
6C	.	CARBON STEEL INNER RING
6E	.	CASE HARDENED STEEL INNER RING
6F	.	STAINLESS STEEL INNER RING
6H	.	HIGH TEMPERATURE TOOL STEEL INNER RING
6M	.	PLATING ON INNER RING
6N	.	SPECIAL MATERIAL FOR INNER RING
7H	.	HIGH TEMPERATURE TOOL STEEL OUTER RING
7M	.	PLATING ON OUTER RING
7N	.	SPECIAL MATERIAL FOR OUTER RING
8E	.	CASE HARDENED STEEL FOR LOOSE FLANGE
A	.	AS TREATMENT FOR RINGS AND BALLS
C	.	CARBON STEEL FOR RINGS AND ROLLERS
E	.	CASE HARDENED STEEL FOR RINGS AND ROLLERS
EC	.	EXPANSION COMPENSATING BEARING
F	.	STAINLESS STEEL RINGS AND BALLS
FN	.	DESIGN BASED ON FAFNIR- NTN LICENSE
H	.	HIGH TEMPERATURE TOOL STEEL FOR RINGS AND BALLS
IE	.	CASE HARDENED STEEL OUTER RING
IF	.	STAINLESS STEEL OUTER RING
K	.	HIGH FREQUENCY INDUCTION HARDENING
KG	.	INDUCTION HARDENED CARBON STEEL (K2C-, K3C-, ETC.)
M	.	PLATING ON RINGS AND BALLS

N	.	SPECIAL MATERIAL
SA	.	AS TREATMENT FOR BALLS
T	.	ASA SERIES TAPERED ROLLER BRG. INTERCHANGEABLE DESIGN WITH U.S. STD.
TK	.	HIGH SPEED TURBINE BEARING (DN 500,000)
TS1	.	HEAT STABILIZATION FOR 210°F (100°C TO 130°C)
TS2	.	HEAT STABILIZATION FOR 265°F TO 320°F (130°C TO 160°C)
TS3	.	HEAT STABILIZATION FOR 320°F TO 390°F (160°C TO 200°C)
TS4	.	HEAT STABILIZATION FOR 390°F TO 480°F (200°C TO 250°C)
X	.	EXPERIMENTAL BEARING