

NTN bearing part number system

| Prefix | Suffix | Definition |
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| . | +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 |

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| . | | 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. KYODOOO OIL, MULTEMP PS S2 |
| . | /L458 | KYODO YUSHI USDA H-1 (FOOD APPROVED) TEMP. |

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| . | | 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 |

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| . | 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 |

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| . | 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 |

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| | | 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) |

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| . | 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 |

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| . | 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 CARBON STEEL OUTER |

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| 1C | . | 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 |

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| 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 |

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| 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 |