

NTN and SNR suffixes

Brand	Suffixes	Description
NTN	A	Modification of the internal design
SNR	A	Bearings with a single row of radial contact balls with higher capacity
SNR	A	Bearings with a single row of angular contact balls, polyamide cage
SNR	A	Bearings with a double row of radial contact balls, without slot, polyamide cage
SNR	A	Bearings with a double row of angular contact balls, without slot, polyamide cage
SNR	A	Seal V-Ring version A for SNC Ball bearing unit (optional with FS seal)
NTN	AD	Contact angle 25°
SNR	A1	Removable
NTN	B	Standard production of double row spherical roller bearings
NTN	B	Contact angle 40° for angular contact ball bearings
SNR	B	32° for double row angular contact ball bearings
SNR	B	40° for single row angular contact ball bearings
SNR	B	20° for tapered roller bearings
SNR	BG	Single row of angular contact balls bearings for non-preload universal pairing
NTN	B3, B5, B7	Precision in compliance with ABEC 3, 5 or 7 standards
NTN	C	Contact angle 15° for angular contact ball bearings
NTN	C	Increased contact angle for tapered roller bearings
NTN	C9, C0, C1	Special clearance, high precision
NTN / SNR	C2	Internal clearance smaller than normal clearance
NTN / SNR	C3	Internal clearance larger than normal clearance
NTN / SNR	C4	Internal clearance larger than C3
NTN / SNR	C5	Internal clearance larger than C4
NTN	CMxx	Average clearance in microns for bearings with balls of between diameter 10 and diameter 50 µm
NTN	CM09	Special internal clearance, medium value between 5 and 13 µm
NTN	CM13	Special internal clearance, medium value between 9 and 17 µm
NTN	CM17	Special internal clearance, medium value between 13 and 21 µm
NTN	CM21	Special internal clearance, medium value between 17 and 25 µm
NTN	CM25	Special internal clearance, medium value between 21 and 29 µm
NTN	CM30	Special internal clearance, medium value between 25 and 35 µm
NTN	CM35	Special internal clearance, medium value between 30 and 40 µm
NTN	CM40	Special internal clearance, medium value between 35 and 45 µm
NTN	CM45	Special internal clearance, medium value between 40 and 50 µm
NTN	CM50	Special internal clearance, medium value between 45 and 55 µm
NTN	CSxx	Average internal clearance in microns (1 micron = 1 µm = 0.001 mm)
NTN	CT1	Ball bearing unit for low temperatures -60°C
NTN	CxNA	Reduced clearance ranges (but identical average clearance), paired rings
NTN	CNL, CNS	Internal clearances for miniature precision bearings
SNR	C/C12	Internal design issue for tapered roller bearings
SNR	CC	Stainless steel closed protection plug for self-aligning ball bearing units
SNR	C0	Stainless steel open protection plug for self-aligning ball bearing units
NTN	D	Contact angle increased for tapered roller bearings
NTN	D	Lubrication holes (without grooves)
SNR	D	High precision lubricated angular contact ball bearings
NTN	DB	O layout
NTN	DF	X layout
SNR	D**	SNR greases
SNR	DS	Double lippled seal for SNC Ball bearing unit

Brand	Suffixes	Description
NTN	DT	Tandem layout
NTN	D0	Absence of groove and grease holes (for standard)
NTN	D1	Groove and grease holes in the outer ring
NTN	D2	D1 + anti-rotation ball on external diameter for Insert bearings
NTN / SNR	E	Increased capacity cylindrical roller bearings and double row spherical roller bearings
NTN / SNR	EA	Increased capacity double row spherical roller bearings with pressed steel cage
NTN / SNR	EM	Increased capacity double row spherical roller bearings with solid brass cage
SNR	EE/2RS	Double side contact seal
SNR	EC	End cover for SNC ball bearing unit
NTN	En	Special roller crowning
NTN	F	Solid Plummer block without holes. Ex. SN520F
NTN	F1	Solid Plummer block with holes. Ex. UCP320F1
NTN	F2	Ball bearing unit without attachment holes. Ex. UCP322F2
SNR	FD	Grease for food contact
SNR	FS	Felt seal for SNC ball bearing unit
SNR	FT150	Sealed bearings for high temperatures up to +150° C
SNR	FT150ZZ	Shielded bearings for high temperatures up to +150° C
NTN	F1	Solid steel cage
NTN	F3	Turned solid steel cage
SNR	F600	High temperature bearings for furnace kiln cars
SNR	F604	High temperature bearings for furnace kiln cars greased and shielded
SNR	F800	Increased load capacity double row spherical roller bearing for vibrating applications
NTN	-G	Inner ring + rollers (+cage) for tapered roller bearings (cone only)
NTN	#G	Outer ring only for tapered roller bearings (cup only)
NTN	G	Universal production
SNR	G	Removal sleeves – modified thread – compliant with ISO 2982-1
NTN	G	Fixed bearing unit that does not require a retaining ring. Ex. SD3130G
NTN	G(n)	Ball bearing unit with special attachment holes (n=1,2,3...). Ex. UCHB204G6
NTN	GD2	2 universal bearings
NTN	GL GN GM GH	Preloads (Light, Normal, Medium, Heavy)
NTN	G1	Solid brass cage
SNR	G2	Re-greasing system for Insert bearings
SNR	G14	Polyamide cage
SNR	G15	Polyamide cage strengthened with glass fibre
SNR	H	Clamping sleeves with oil injection device (ex AH24T48H)
NTN	HT	Special internal design to withstand axial loads on cylindrical roller bearings
NTN	HT2	Ball bearing insert for high temperatures +200° C
SNR	HT200	Sealed bearings for high temperatures up to +200° C
SNR	HT200ZZ	Protected bearings for high temperatures up to +200° C
SNR	HVZZ	Protected bearings for high speeds up to 700 000 N.Dm
NTN	J	Pressed steel cage
NTN / SNR	K	Tapered bore 1/12
NTN / SNR	K30	Tapered bore 1/30
NTN	-L	NUP without end plate
NTN	#L	End plate for NUP
NTN	L1	Plummer block with greaser and drain hole. Ex. SN515L1Z
NTN	L5	Plummer block with greaser hole and drain hole
SNR	LA	Labyrinth seal for SNC ball bearing unit
NTN	LLJ	Bearing housing with low torque three lipped seals
NTN	LLS	Bearing housing with high torque three lipped seals
SNR	LT	Sealed bearings for low temperature down to -40° C
SNR	LTZZ	Protected bearings for low temperature down to -60° C

Brand	Suffixes	Description
NTN	LU, LLU	Nitrile friction seal (-20 to +120°C)
NTN	LUA, LLUA	Polyacrylic friction seal (-15 to +150°C)
NTN	LUA1, LLUA1	Fluorinated elastomer friction seal (-30 to +230°C)
NTN	LUA2, LLUA2	Silicone friction seal (-60 to +200°C)
NTN	LUA4, LLUA4	Nitrile high temperature friction seal (+20 to +140°C)
NTN	LUAX12, LLUAX12	Polyacrylic high temperature friction seal (-15 to +175°C)
NTN	LB, LLB	Nitrile non-friction seal (-25 to +120°C)
NTN	LBA, LLBA	Polyacrylic non-friction seal (-10 to +150°C)
NTN	LBA1, LLBA1	Fluorinated elastomer non-friction seal (-30 to +200°C)
NTN	LBA2, LLBA2	Silicone non-friction seal (-100 to +200°C)
NTN	LH, LLH	Low torque nitrile friction seal (-25 to +120°C)
NTN	LHA, LLHA	Low torque Polyacrylic friction seal (-10 to +150°C)
NTN	LHA1, LLHA1	Low torque fluorinated elastomer friction seal (-30 to +200°C)
NTN	LHA2, LLHA2	Low torque Silicone friction seal (-100 to +200°C)
NTN	LHA4, LLHA4	Low torque nitrile high temperature friction seal (-20 to +130°C)
NTN	LHAX12, LLHAX12	Low torque Polyacrylic high temperature friction seal (-10 to +150°C)
NTN	LP03	Standard solid grease (-20 to +80°C)
NTN	LP05	High temperature solid grease (-20 to +120°C)
NTN	LP06	Food compatible solid grease -10 to +100°C (80°C continuous)
NTN	LP08	High temperature Solid grease for needle rollers (-20 to +120°C)
NTN	LX	Special sealing system
NTN	L1	Riveted solid brass cage
SNR	L3	Three lipped seal triple for insert bearings
NTN	L417	Grease: Kyodo Yushi/E5 (-30 to +180°C)
NTN	L453	Grease: Kluber/Asonic HQ72-102 (-40 to +180°C)
NTN	L627	Grease: Exxon Polyrex EM (-25 to +170°C)
SNR	M	Solid cage, centred on the rolling elements
NTN	-N	Outer ring + rollers (+cage) for cylindrical roller bearings
NTN	#N	Inner ring only for cylindrical roller bearings
NTN / SNR	N	Groove for retaining ring on the outer ring
NTN	N	Ball bearing unit in steel. Ex. P315N
NTN	N1	Ball bearing unit in GS ductile cast iron. Ex. P315N1
NTN / SNR	NR	Groove and retaining ring on the outer ring
NTN	NRS	NR of opposite side to standard
NTN / SNR	N2	Retaining slot
NTN	PM	Special bearing precision for electric motors
NTN / SNR	P42	Precision class JIS 4 for the dimensions and JIS 2 for the run out in rotation
NTN	P63E	Precision P6 and clearance C3/DIN standard for electric motors
NTN / SNR	P6	Precision class JIS 6
NTN / SNR	P5	Precision class JIS 5
NTN / SNR	P4	Precision class JIS 4/BAS 4 for tapered rollers
NTN	PK	Precision class K for tapered rollers, J series
NTN / SNR	PXn	Special precision with issue level
NTN	QD	Fill with grease: from 5 to 10%
NTN	QE	Fill with grease: from 7.5 to 12.5%
NTN	QF	Fill with grease: from 10 to 15%
NTN	QG	Fill with grease: from 12.5 to 17.5%
NTN	QH	Fill with grease: from 15 to 20%
NTN	QJ	Fill with grease: from 17.5 to 22.5%
NTN	QK	Fill with grease: from 20 to 25%
NTN	QL	Fill with grease: from 22.5 to 27.5%
NTN	QM	Fill with grease: from 25 to 30%
NTN	QP	Fill with grease: from 27.5 to 32.5%

Brand	Suffixes	Description
NTN	QQ	Fill with grease: from 30 to 40%
NTN	QR	Fill with grease: from 35 to 45%
NTN	QS	Fill with grease: from 40 to 50%
NTN	QT	Fill with grease: plus from 50%
SNR	S	Spherical external diameter
NTN	Snn	Specific check (S20: railway/S30: wind turbine) (S10 Traction motor), (S80 Aerospace)
NTN	ST	Modified internal design (low torque)
NTN	STVn	Modified internal design (n = 1, 2, 3...) (low torque)
SNR	SV	Complete V-Ring seal for SNC ball bearing unit
SNR	TA	Taconite seal for SNC ball bearing unit
NTN	TKBANnnn	Special spacer. Nnnn: order number
NTN	TKZnnnn	Special spacer. Nnnn: order number
NTN	TKBNnnnn	Special spacer. Nnnn: order number
NTN	T1	Phenolic fabric cage
NTN	T2	Plastic, nylon or Teflon cage
NTN	T2X	Special Polyamide cage for sealed ball bearings
NTN	T2X	Polyamide cage 4.6 for cylindrical roller bearings
NTN	T6	Peek cage for NN bearings
SNR	T04	Insert bearings for operating temperatures up to - 40° C
SNR	T20	Insert bearings for operating temperatures up to +200°C
NTN	U	Through hardened version for tapered roller bearings
NTN	UA	Double row spherical roller bearings for vibrating applications
NTN	UP	Ultra precision
SNR	V	Internal design for double row spherical roller bearings
NTN	V	Full complement cylindrical rollers bearings without cage
NTN	Vn	Specific: groups the other suffixes (n = 1, 2, 3...)
NTN	VS1, VS2	Special tolerance for screen bearings
NTN	W3	Bearing housing with standard type set screw
NTN	W5	Bearing housing with cap head type set screw alternative to W3
NTN	W6	Bearing housing with special type set screw alternative to W5
SNR	W33	Groove and grease holes on outer ring
NTN	Xn	Special chamfer n:1,2...
SNR	Y	Pressed brass cage for thin section ball bearings
NTN	Z	Plummer block with Z type rubber seal
NTN / SNR	Z	Single sided protection flange
NTN	Z2	Plummer block with felt seal
NTN / SNR	ZZ	Double sided protection flange
NTN	ZA, ZZA	Removable shield(s)
NTN	Z1, ZZ1	Stainless steel shield(s)
NTN	2AS	Grease: Shell/Alvania Grease S2 (-25 to +120°C)
NTN	3AS	Grease: Shell/Alvania Grease S3 (-25 to +135°C)
NTN	-3, -2, -0	Precisions in compliance with the AFBMA standards for tapered rollers in inches
NTN	5C	Grease: Chevron/SRI-2 (-29 to +177°C)
NTN	5K	Grease: Kyodo Yushi/Multemp SRL (-40 to +150°C)
NTN	5S	Grease: Shell/Aero Shell Grease 7 (-73 +149°C)
NTN	6K	Grease: Kluber/Isoflex Super LDS 18 (-60 to +130°C)