



THE ESSENTIALS

DEEP GROOVE BALL BEARINGS

6000 / 6200 / 6300 SERIES

NTN® **SNR**®

www.ntn-snr.com



With You

SNR® IS A BRAND OF NTN CORPORATION
THROUGH ITS EUROPEAN SUBSIDIARY NTN-SNR

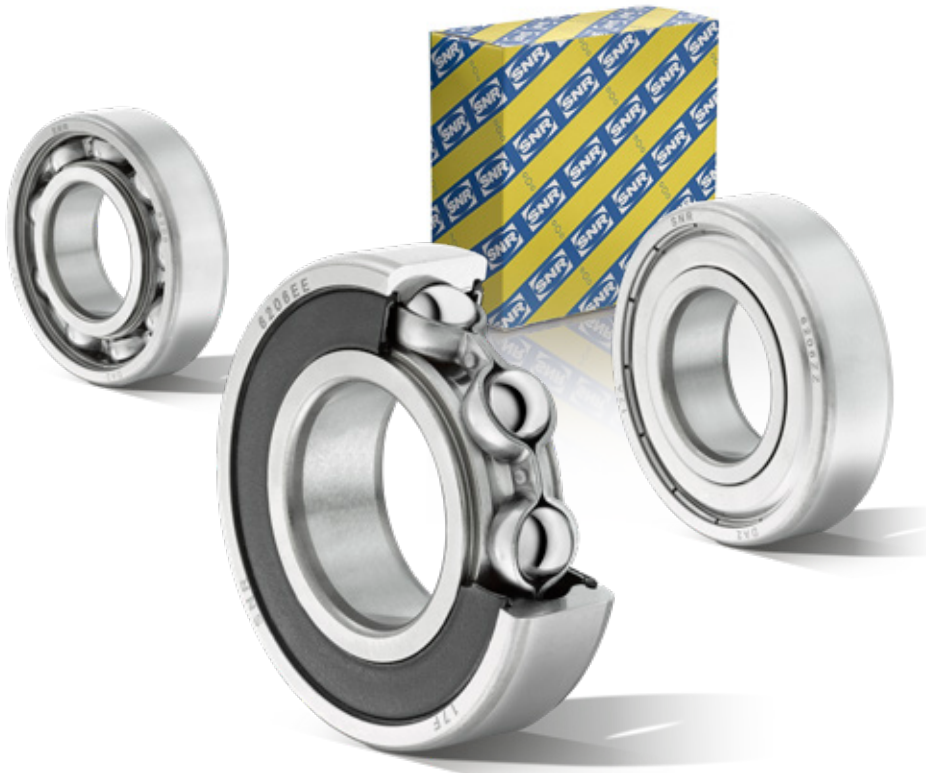
Strong of a 100 years of experience, SNR brand is famous worldwide for its leading position in Automotive market (wheel, clutch, gearbox, suspension). SNR production and quality levels are also particularly appreciated in Aerospace industry, typically in aircraft turbo-engines and helicopter gearboxes and blade roots.

SNR has used all its design and manufacturing know-how for the development of the SNR deep groove ball bearing range by implementing the most severe specifications and the strongest quality processes.



Headquartered in Osaka, Japan, NTN is a leading manufacturer of precision mechanical parts and components. Particularly in the world bearing market, NTN has the largest market share of hub bearings and the second largest of driveshafts. NTN products lead the world with a high level of quality, and are chosen by companies around the world.

BECAUSE EFFICIENCY IS A MUST,
SNR PROPOSES A COMPACT DEEP GROOVE BALL BEARING RANGE,
WITH JUST THE ESSENTIAL OF DIMENSIONS AND OPTIONS,
BENEFITING FROM A PREMIUM BRAND QUALITY.



YOUR BENEFITS USING THIS RANGE

BOOST YOUR COMPETITIVENESS WITHOUT COMPROMISING TECHNICAL PERFORMANCE

Profit from high volume popular bearings designed with Premium specifications only.

INCREASE YOUR PURCHASING EFFICIENCY

No additional supplier in your panel requested. Your NTN sales engineer supplies both NTN and SNR brand offers.

MAKE YOUR LOGISTICS AND QUALITY PROCESS SMOOTH

Continue business as usual with NTN.



SNR TECHNICAL KEY POINTS

INTERNAL DESIGN ⁽¹⁾

Internal design is optimized to get outstanding results and an extended service life, maximising speed limit with low temperature rising.

CAGE ⁽²⁾

SNR deep groove ball bearings are steel cage products.

GREASE

Sealed versions are already greased, maximum working temperature being +120°C.

SEALING ⁽³⁾

EE version offers the best compromise between proofing performance and low torque by optimized seal and groove designs.

STEEL ⁽⁴⁾

SNR deep groove ball bearings use high quality steel, specified and controlled by NTN-SNR.

SNR OFFER DETAILS

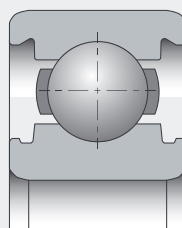
AVAILABLE DIMENSIONAL RANGE

6001 to 6007 ; 6200 to 6206 ; 6300 to 6305

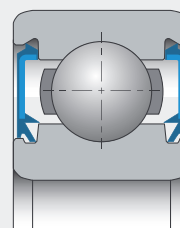
NORMAL & C3 RADIAL INTERNAL CLEARANCE

3 SEALING OPTIONS:

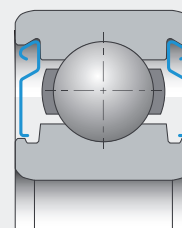
Open, EE & ZZ



OPEN



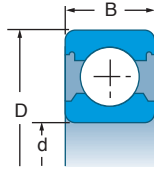
DOUBLE
CONTACT
SEAL
(EE suffix)



DOUBLE
SHIELD
(ZZ suffix)

6000 SERIES

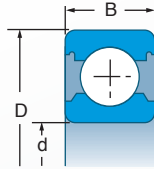
FROM 6001 TO 6007



SNR Part Number	SNR BRAND									
	Bore diameter (d in mm)	Outer diameter (D in mm)	Width (B in mm)	Weight (kg)	Radial internal clearance class	Dynamic load (kN)	Static load (kN)	Thermal reference speed (rpm)	Limiting speed (rpm)	Admissible temperature range
6001	12.000	28.000	8.000	0.0200	CN	5.100	2.390	24000	45000	-40°C to +120°C
6001C3	12.000	28.000	8.000	0.0200	C3	5.100	2.390	24000	45000	-40°C to +120°C
6001EE	12.000	28.000	8.000	0.0210	CN	5.100	2.390		18000	-20°C to +120°C
6001EEC3	12.000	28.000	8.000	0.0210	C3	5.100	2.390		18000	-20°C to +120°C
6001ZZ	12.000	28.000	8.000	0.0210	CN	5.100	2.390	24000	36000	-20°C to +120°C
6001ZZC3	12.000	28.000	8.000	0.0210	C3	5.100	2.390	24000	36000	-20°C to +120°C
6002	15.000	32.000	9.000	0.0280	CN	5.500	2.850	22000	39000	-40°C to +120°C
6002C3	15.000	32.000	9.000	0.0280	C3	5.500	2.850	22000	39000	-40°C to +120°C
6002EE	15.000	32.000	9.000	0.0290	CN	5.500	2.850		15000	-20°C to +120°C
6002EEC3	15.000	32.000	9.000	0.0290	C3	5.500	2.850		15000	-20°C to +120°C
6002ZZ	15.000	32.000	9.000	0.0290	CN	5.500	2.850	22000	31000	-20°C to +120°C
6002ZZC3	15.000	32.000	9.000	0.0290	C3	5.500	2.850	22000	31000	-20°C to +120°C
6003	17.000	35.000	10.000	0.0350	CN	6.000	3.250	20000	35000	-40°C to +120°C
6003C3	17.000	35.000	10.000	0.0350	C3	6.000	3.250	20000	35000	-40°C to +120°C
6003EE	17.000	35.000	10.000	0.0370	CN	6.000	3.250		13000	-20°C to +120°C
6003EEC3	17.000	35.000	10.000	0.0370	C3	6.000	3.250		13000	-20°C to +120°C
6003ZZ	17.000	35.000	10.000	0.0370	CN	6.000	3.250	20000	28000	-20°C to +120°C
6003ZZC3	17.000	35.000	10.000	0.0370	C3	6.000	3.250	20000	28000	-20°C to +120°C
6004	20.000	42.000	12.000	0.0660	CN	9.200	5.100	18000	29000	-40°C to +120°C
6004C3	20.000	42.000	12.000	0.0660	C3	9.200	5.100	18000	29000	-40°C to +120°C
6004EE	20.000	42.000	12.000	0.0680	CN	9.200	5.100		11000	-20°C to +120°C
6004EEC3	20.000	42.000	12.000	0.0680	C3	9.200	5.100		11000	-20°C to +120°C
6004ZZ	20.000	42.000	12.000	0.0680	CN	9.200	5.100	18000	23000	-20°C to +120°C
6004ZZC3	20.000	42.000	12.000	0.0680	C3	9.200	5.100	18000	23000	-20°C to +120°C
6005	25.000	47.000	12.000	0.0790	CN	9.800	5.900	15000	25000	-40°C to +120°C
6005C3	25.000	47.000	12.000	0.0790	C3	9.800	5.900	15000	25000	-40°C to +120°C
6005EE	25.000	47.000	12.000	0.0830	CN	9.800	5.900		9500	-20°C to +120°C
6005EEC3	25.000	47.000	12.000	0.0830	C3	9.800	5.900		9500	-20°C to +120°C
6005ZZ	25.000	47.000	12.000	0.0830	CN	9.800	5.900	15000	20000	-20°C to +120°C
6005ZZC3	25.000	47.000	12.000	0.0830	C3	9.800	5.900	15000	20000	-20°C to +120°C
6006	30.000	55.000	13.000	0.1110	CN	13.000	8.300	13000	21000	-40°C to +120°C
6006C3	30.000	55.000	13.000	0.1110	C3	13.000	8.300	13000	21000	-40°C to +120°C
6006EE	30.000	55.000	13.000	0.1160	CN	13.000	8.300		8000	-20°C to +120°C
6006EEC3	30.000	55.000	13.000	0.1160	C3	13.000	8.300		8000	-20°C to +120°C
6006ZZ	30.000	55.000	13.000	0.1160	CN	13.000	8.300	13000	17000	-20°C to +120°C
6006ZZC3	30.000	55.000	13.000	0.1160	C3	13.000	8.300	13000	17000	-20°C to +120°C
6007	35.000	62.000	14.000	0.1460	CN	15.500	10.300	12000	19000	-40°C to +120°C
6007C3	35.000	62.000	14.000	0.1460	C3	15.500	10.300	12000	19000	-40°C to +120°C
6007EE	35.000	62.000	14.000	0.1520	CN	15.500	10.300		6900	-20°C to +120°C
6007EEC3	35.000	62.000	14.000	0.1520	C3	15.500	10.300		6900	-20°C to +120°C
6007ZZ	35.000	62.000	14.000	0.1520	CN	15.500	10.300	12000	15000	-20°C to +120°C
6007ZZC3	35.000	62.000	14.000	0.1520	C3	15.500	10.300	12000	15000	-20°C to +120°C

6200 SERIES

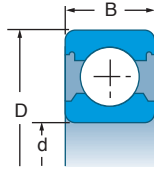
FROM 6200 TO 6206



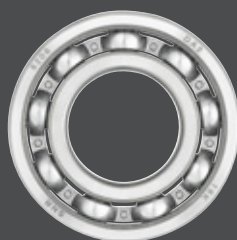
SNR Part Number	SNR BRAND									
	Bore diameter (d in mm)	Outer diameter (D in mm)	Width (B in mm)	Weight (kg)	Radial internal clearance class	Dynamic load (kN)	Static load (kN)	Thermal reference speed (rpm)	Limiting speed (rpm)	Admissible temperature range
6200	10.000	30.000	9.000	0.0300	CN	5.900	2.650	23000	42000	-40°C to +120°C
6200C3	10.000	30.000	9.000	0.0300	C3	5.900	2.650	23000	42000	-40°C to +120°C
6200EE	10.000	30.000	9.000	0.0310	CN	5.900	2.650		19000	-20°C to +120°C
6200EEC3	10.000	30.000	9.000	0.0310	C3	5.900	2.650		19000	-20°C to +120°C
6200ZZ	10.000	30.000	9.000	0.0310	CN	5.900	2.650	23000	34000	-20°C to +120°C
6200ZZC3	10.000	30.000	9.000	0.0310	C3	5.900	2.650	23000	34000	-20°C to +120°C
6201	12.000	32.000	10.000	0.0370	CN	6.800	3.050	22000	38000	-40°C to +120°C
6201C3	12.000	32.000	10.000	0.0370	C3	6.800	3.050	22000	38000	-40°C to +120°C
6201EE	12.000	32.000	10.000	0.0380	CN	6.800	3.050		17000	-20°C to +120°C
6201EEC3	12.000	32.000	10.000	0.0380	C3	6.800	3.050		17000	-20°C to +120°C
6201ZZ	12.000	32.000	10.000	0.0380	CN	6.800	3.050	22000	30000	-20°C to +120°C
6201ZZC3	12.000	32.000	10.000	0.0380	C3	6.800	3.050	22000	30000	-20°C to +120°C
6202	15.000	35.000	11.000	0.0430	CN	7.600	3.600	20000	34000	-40°C to +120°C
6202C3	15.000	35.000	11.000	0.0430	C3	7.600	3.600	20000	34000	-40°C to +120°C
6202EE	15.000	35.000	11.000	0.0450	CN	7.600	3.600		15000	-20°C to +120°C
6202EEC3	15.000	35.000	11.000	0.0450	C3	7.600	3.600		15000	-20°C to +120°C
6202ZZ	15.000	35.000	11.000	0.0450	CN	7.600	3.600	20000	27000	-20°C to +120°C
6202ZZC3	15.000	35.000	11.000	0.0450	C3	7.600	3.600	20000	27000	-20°C to +120°C
6203	17.000	40.000	12.000	0.0650	CN	9.400	4.800	18000	29000	-40°C to +120°C
6203C3	17.000	40.000	12.000	0.0650	C3	9.400	4.800	18000	29000	-40°C to +120°C
6203EE	17.000	40.000	12.000	0.0670	CN	9.400	4.800		13000	-20°C to +120°C
6203EEC3	17.000	40.000	12.000	0.0670	C3	9.400	4.800		13000	-20°C to +120°C
6203ZZ	17.000	40.000	12.000	0.0670	CN	9.400	4.800	18000	23000	-20°C to +120°C
6203ZZC3	17.000	40.000	12.000	0.0670	C3	9.400	4.800	18000	23000	-20°C to +120°C
6204	20.000	47.000	14.000	0.0960	CN	13.700	6.700	16000	25000	-40°C to +120°C
6204C3	20.000	47.000	14.000	0.0960	C3	13.700	6.700	16000	25000	-40°C to +120°C
6204EE	20.000	47.000	14.000	0.1000	CN	13.700	6.700		11000	-20°C to +120°C
6204EEC3	20.000	47.000	14.000	0.1000	C3	13.700	6.700		11000	-20°C to +120°C
6204ZZ	20.000	47.000	14.000	0.1000	CN	13.700	6.700	16000	20000	-20°C to +120°C
6204ZZC3	20.000	47.000	14.000	0.1000	C3	13.700	6.700	16000	20000	-20°C to +120°C
6205	25.000	52.000	15.000	0.1250	CN	13.800	7.900	14000	22000	-40°C to +120°C
6205C3	25.000	52.000	15.000	0.1250	C3	13.800	7.900	14000	22000	-40°C to +120°C
6205EE	25.000	52.000	15.000	0.1290	CN	13.800	7.900		9100	-20°C to +120°C
6205EEC3	25.000	52.000	15.000	0.1290	C3	13.800	7.900		9100	-20°C to +120°C
6205ZZ	25.000	52.000	15.000	0.1290	CN	13.800	7.900	14000	17000	-20°C to +120°C
6205ZZC3	25.000	52.000	15.000	0.1290	C3	13.800	7.900	14000	17000	-20°C to +120°C
6206	30.000	62.000	16.000	0.1940	CN	19.200	11.300	12000	18000	-40°C to +120°C
6206C3	30.000	62.000	16.000	0.1940	C3	19.200	11.300	12000	18000	-40°C to +120°C
6206EE	30.000	62.000	16.000	0.2020	CN	19.200	11.300		7500	-20°C to +120°C
6206EEC3	30.000	62.000	16.000	0.2020	C3	19.200	11.300		7500	-20°C to +120°C
6206ZZ	30.000	62.000	16.000	0.1990	CN	19.200	11.300	12000	14000	-20°C to +120°C
6206ZZC3	30.000	62.000	16.000	0.1990	C3	19.200	11.300	12000	14000	-20°C to +120°C

6300 SERIES

FROM 6300 TO 6305

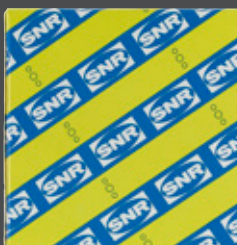


SNR Part Number	SNR BRAND									
	Bore diameter (d in mm)	Outer diameter (D in mm)	Width (B in mm)	Weight (kg)	Radial internal clearance class	Dynamic load (kN)	Static load (kN)	Thermal reference speed (rpm)	Limiting speed (rpm)	Admissible temperature range
6300	10.000	35.000	11.000	0.0530	CN	7.600	3.450	21000	36000	-40°C to +120°C
6300C3	10.000	35.000	11.000	0.0530	C3	7.600	3.450	21000	36000	-40°C to +120°C
6300EE	10.000	35.000	11.000	0.0550	CN	7.600	3.450		16000	-20°C to +120°C
6300EEC3	10.000	35.000	11.000	0.0550	C3	7.600	3.450		16000	-20°C to +120°C
6300ZZ	10.000	35.000	11.000	0.0550	CN	7.600	3.450	21000	29000	-20°C to +120°C
6300ZZC3	10.000	35.000	11.000	0.0550	C3	7.600	3.450	21000	29000	-20°C to +120°C
6301	12.000	37.000	12.000	0.0580	CN	9.700	4.200	20000	34000	-40°C to +120°C
6301C3	12.000	37.000	12.000	0.0580	C3	9.700	4.200	20000	34000	-40°C to +120°C
6301EE	12.000	37.000	12.000	0.0600	CN	9.700	4.200		15000	-20°C to +120°C
6301EEC3	12.000	37.000	12.000	0.0600	C3	9.700	4.200		15000	-20°C to +120°C
6301ZZ	12.000	37.000	12.000	0.0600	CN	9.700	4.200	20000	28000	-20°C to +120°C
6301ZZC3	12.000	37.000	12.000	0.0600	C3	9.700	4.200	20000	28000	-20°C to +120°C
6302	15.000	42.000	13.000	0.0800	CN	11.300	5.400	17000	29000	-40°C to +120°C
6302C3	15.000	42.000	13.000	0.0800	C3	11.300	5.400	17000	29000	-40°C to +120°C
6302EE	15.000	42.000	13.000	0.0840	CN	11.300	5.400		13000	-20°C to +120°C
6302EEC3	15.000	42.000	13.000	0.0840	C3	11.300	5.400		13000	-20°C to +120°C
6302ZZ	15.000	42.000	13.000	0.0840	CN	11.300	5.400	17000	23000	-20°C to +120°C
6302ZZC3	15.000	42.000	13.000	0.0840	C3	11.300	5.400	17000	23000	-20°C to +120°C
6303	17.000	47.000	14.000	0.1120	CN	13.500	6.600	16000	26000	-40°C to +120°C
6303C3	17.000	47.000	14.000	0.1120	C3	13.500	6.600	16000	26000	-40°C to +120°C
6303EE	17.000	47.000	14.000	0.1160	CN	13.500	6.600		12000	-20°C to +120°C
6303EEC3	17.000	47.000	14.000	0.1160	C3	13.500	6.600		12000	-20°C to +120°C
6303ZZ	17.000	47.000	14.000	0.1160	CN	13.500	6.600	16000	21000	-20°C to +120°C
6303ZZC3	17.000	47.000	14.000	0.1160	C3	13.500	6.600	16000	21000	-20°C to +120°C
6304	20.000	52.000	15.000	0.1410	CN	15.800	7.900	14000	24000	-40°C to +120°C
6304C3	20.000	52.000	15.000	0.1410	C3	15.800	7.900	14000	24000	-40°C to +120°C
6304EE	20.000	52.000	15.000	0.1460	CN	15.800	7.900		11000	-20°C to +120°C
6304EEC3	20.000	52.000	15.000	0.1460	C3	15.800	7.900		11000	-20°C to +120°C
6304ZZ	20.000	52.000	15.000	0.1460	CN	15.800	7.900	14000	19000	-20°C to +120°C
6304ZZC3	20.000	52.000	15.000	0.1460	C3	15.800	7.900	14000	19000	-20°C to +120°C
6305	25.000	62.000	17.000	0.2280	CN	22.200	11.500	12000	19000	-40°C to +120°C
6305C3	25.000	62.000	17.000	0.2280	C3	22.200	11.500	12000	19000	-40°C to +120°C
6305EE	25.000	62.000	17.000	0.2350	CN	22.200	11.500		8600	-20°C to +120°C
6305EEC3	25.000	62.000	17.000	0.2350	C3	22.200	11.500		8600	-20°C to +120°C
6305ZZ	25.000	62.000	17.000	0.2350	CN	22.200	11.500	12000	15000	-20°C to +120°C
6305ZZC3	25.000	62.000	17.000	0.2350	C3	22.200	11.500	12000	15000	-20°C to +120°C



DEEP GROOVE BALL BEARINGS THE ESSENTIALS

6000 / 6200 / 6300 SERIES



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