NTN

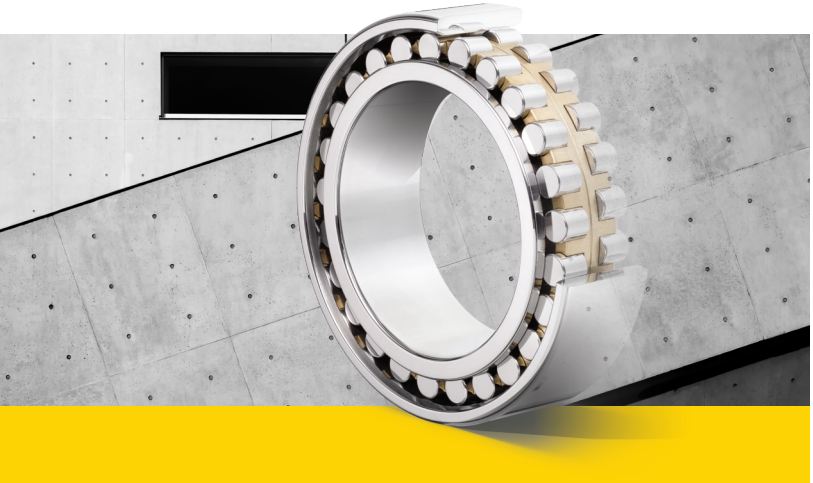
CYLINDRICAL ROLLER BEARINGS

Designed to go the extra mile



NTN | SNR | Brands of NTN Group

NTN Europe supports you in achieving reliability and performance.



The product

Designed to withstand high radial loads, our cylindrical roller bearings (CRB) are available in 1, 2 or 4 rows, with crossed, high-precision or close-contact rollers. Four cage designs are available in different materials: steel, brass or polyamide.
Our teams are here to advise you and help you optimise these various combinations.

The ranges

The NTN brand offers one of the highest-performing ranges on the market:

- Sizes up to 500 mm inside diameter for the N, NU, NJ, NUP and double-row NNU, NN series
- Double-row cage-less series: SL01, SL02 and SL04
- Customised products for specific requirements
- The specific ULTAGE™ range, forming the core of our product line-up, benefits from an optimised design that maximises the performance of our bearings.

The SNR brand offers a high-quality, cost-effective range that combines performance with high standards:

- Covering the majority of CRB applications
- Single-row design and 3 series: NU, NJ and NUP

Key suffixes: E for bearings with optimised capacity, EA for Ultimate quality with our specific ULTAGE™ range. G15 and T2X for polyamide cages.
For more information, please refer to our catalogues!

3 REASONS TO CHOOSE OUR CYLINDRICAL ROLLER BEARINGS

1. A RANGE TAILORED TO REQUIREMENTS



Bore code			4	5	6	7	8	9	10	11	12	13	14
Bore (mm)			20	25	30	35	40	45	50	55	60	65	70
10..	NTN	standard											
2..	NTN	standard											
	NTN	optimised : E / EA	ULTAGE™ - EAT2X polyamide cage										
	SNR	optimised : E	G15 polyamide cage										
22..	NTN	standard											
	NTN	optimised : E / EA	ULTAGE™ - EAT2X polyamide cage										
	SNR	optimised : E	G15 polyamide cage										
3..	NTN	standard											
	NTN	optimised : E / EA	ULTAGE™ - EAT2X polyamide cage										
	SNR	optimised : E	G15 polyamide cage										
23..	NTN	standard											
	NTN	optimised : E / EA	ULTAGE™ - EAT2X polyamide cage										
	SNR	optimised : E	G15 polyamide cage										
4..	NTN	standard	Steel cage										

2. THE PERFORMANCE OF OUR CAGES

There are four types of cage for CRB bearings: polyamide, steel, two-piece riveted brass and one-piece brass.
- Brass is used when the bearing is subjected to particularly high stresses (vibrations, accelerations, impacts, etc.).
- The T2X cage made of PA 4.6 polyamide is a key component of our specific ULTAGE™ range, as it guarantees high performance. Compared to competitors' PA6.6, it offers superior mechanical strength and withstands higher temperatures: up to 150 °C (compared to 120 °C for PA6.6). It is also lighter and has excellent self-lubricating properties compared to sheet metal cages.



Polyamide
- Centring on rolling elements only
- Temperatures < 120 °C



Steel
- Centring on rolling elements only
- Good oil circulation



Two-piece brass
- Centring on rolling elements only

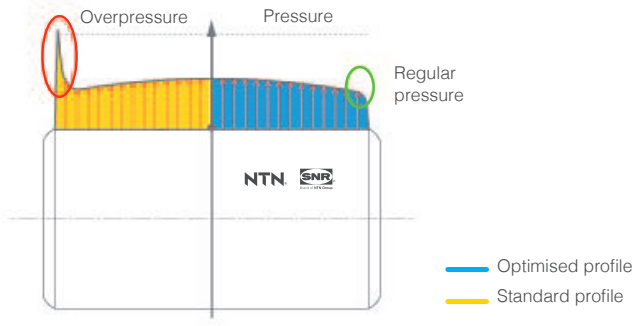


Solid brass
- Centring on rings or rolling elements
- High-speed application

3. THE QUALITY OF OUR DESIGN

To ensure optimum distribution of contact pressures under load and thereby help to extend service life, NTN Europe focuses on optimising the performance of the roller-ring contact.

Contact pressures on rollers:



NTN and SNR brand bearings are designed to deliver maximum performance thanks to optimised raceway profiles that limit excess pressure at the contact ends (edge effect). The specific ULTAGE™ range from NTN, with its fully optimised design, offers the highest load capacity in the world.

Consequently, the overall service life of the bearing is directly increased, even in applications with some misalignment.

15	16	17	18	19	20	21	22	24	26	28	30	32	34	36	38	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96	100
75	80	85	90	95	100	105	110	120	130	140	150	160	170	180	190	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500
Solid Brass Cage G1/L1																											Steel cage				
					Steel cage							Solid Brass Cage G1					Riveted brass cage L1															
					EA G1		EA G1	Solid Brass Cage EG1																								
							Steel cage						Solid Brass Cage G1				Riveted brass cage L1															
								Solid Brass Cage EG1																								
								Steel cage					Solid Brass Cage G1				Riveted brass cage L1															
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								Solid Brass Cage EG1																								

Make the world **NAMERAKA**

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