



SPEED & POSITION **SENSOR SOLUTIONS**

RUGGED - ACCESSIBILITY - COMPACTNESS - PRECISION

NTN® **SNR**®

www.ntn-snr.com



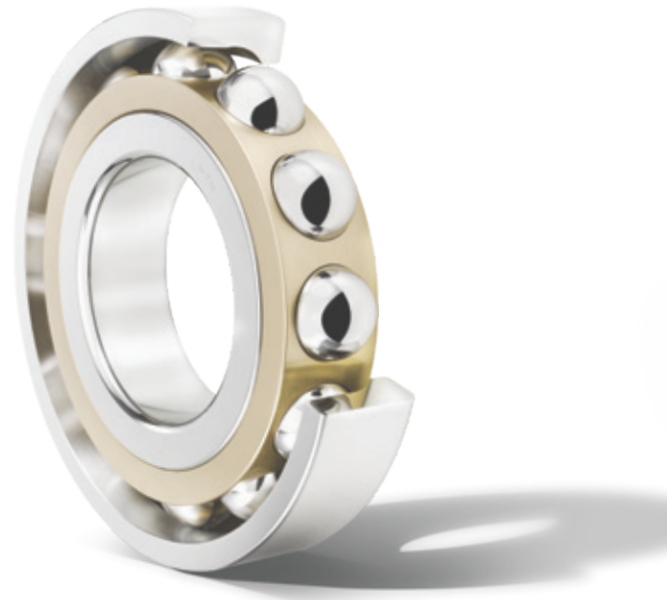
With You

NTN-SNR

A LEADING PLAYER

NTN Corporation is a world leader as designer, developer and manufacturer of bearings, linear modules, distribution pulleys, strut parts, CVJs and a supplier of services. NTN Corporation is present in all industrial, automotive and aerospace markets.

NTN-SNR Roulements manages and develops all the group's activities for Europe, South America, Africa and the Middle East. Among the European leaders, the company offers its partners a unique combination of Japanese and European cultures, with the capabilities of a world player. Its two emblematic brands, SNR and NTN, are seen as references.



NTN Corporation

Area : [World](#)

Employees : [24 109](#)

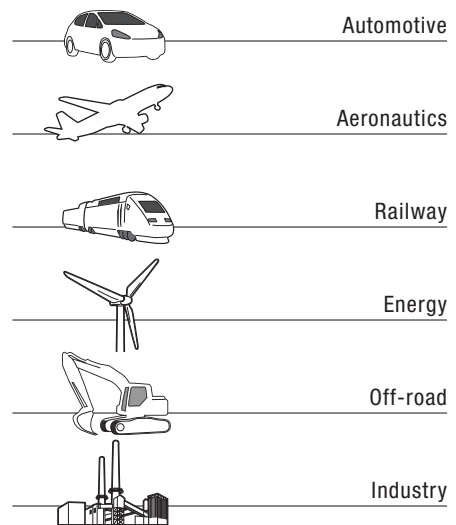
Locations : [78](#)

NTN-SNR, Europe

Area : [Africa, Europe, South-America](#)

Employees : [5 977](#)

Locations : [26](#)



NTN-SNR INNOVATION

OVERVIEW & EXAMPLES

COMPONENTS

With its high quality product range, NTN-SNR offers high-performance bearings in every bearing technical fields: friction, weight, sealing, stiffness, lifetime.

MONITORING

Since the sensor bearing invention, NTN-SNR innovates in the field of magnetic sensors and also provides diagnosis of rotating machinery.

ACTUATORS

NTN-SNR brings new functions in industrial and automotive systems with innovative actuators, integrating IT technologies into mechanical systems.



Lightweight bearing



Low-friction retainer



TMR sensor*



Condition monitoring



In-wheel motor



By-wire actuators

* TMR: tunnel magnetoresistance

IMPROVE YOUR SYSTEM WITH NTN-SNR MAGNETIC SENSORS

NTN-SNR has been developing new sensors technologies for more than 20 years.

It all started with the success of the **ASB®** the integrated active sensor bearing, an example of NTN-SNR innovation capability. It was launched in 1997 and **is established as an international standard in the automotive industry.**

It has become **the most popular magnetic ring application in any industry.**



YOU WANT A SENSOR THAT FITS YOUR NEEDS ? GET THE RIGHT INTEGRATION

- ✓ Location accessibility
- ✓ Compactness
- ✓ Mounting tolerances



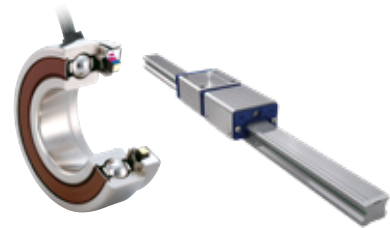
UNPACKAGED

PMS



EASY FIT

TTS



ALL IN ONE

BBS

LGS

+ MAGNETIC RING

OUR SENSORS PRECISION & RESOLUTION RELIES ON A COMPLETE R&D CAPABILITY

SENSITIVE ELEMENT	ELECTRONIC	MAGNETIC TARGET	SENSORS
<ul style="list-style-type: none"> • Hall, AMR, TMR • Fundamental research • Sensor characterization bench 	<ul style="list-style-type: none"> • ASIC development • Qualification & EMCs • Wireless communication 	<ul style="list-style-type: none"> • Automotive, Industry & Custom • Magnetization bench • Innovation magnetic patterns 	<ul style="list-style-type: none"> • Two parts or Guidance integration • On-shelf or Custom



HOW TO SELECT YOUR PRODUCT

			INCREMENTAL Relative information	PSEUDO-ABSOLUTE Referenced information	ABSOLUTE Complete information
SENSOR	PCB MAGNETIC SENSOR			PMS P-ABL <ul style="list-style-type: none"> • Polar adaptation • Custom resolution 	
	TUBE TYPE SENSOR		TTS INC <ul style="list-style-type: none"> • Custom resolution 	TTS P-ABL <ul style="list-style-type: none"> • Custom resolution 	TTS ABL <ul style="list-style-type: none"> • 13 or 17 bits
MAGNETIC TARGET	MAGNETIC RING		Single track 	Dual track 	Nonius
	ROLLING BEARING		Single track 	Dual track 	Nonius
ALL IN ONE	BALL BEARING SENSOR		BBS INC <ul style="list-style-type: none"> • Up to 80 ppr 	BBS P-ABL <ul style="list-style-type: none"> • Up to 2560 ppr* 	BBS ABL <ul style="list-style-type: none"> • Up to 18 bits
	LINEAR GUIDE SENSOR			LGS P-ABL <ul style="list-style-type: none"> • Wireless • 15 µm precision 	

* points per revolution



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Contact us:
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