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.

* 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

UNPACKAGED
- **PMS**

EASY FIT
- **TTS**

ALL IN ONE
- **BBS**
- **LGS**

+ MAGNETIC RING

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

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Location accessibility
Compactness
Mounting tolerances
HOW TO SELECT
YOUR PRODUCT

INCREMENTAL
Relative information

PSEUDO-ABSOLUTE
Referenced information

ABSOLUTE
Complete information

TUBE STYLE SENSOR

Polar adaptation
Custom resolution

TUBE TYPE SENSOR

CUSTOM resolution

MAGNETIC SENSOR

TTS INC

MAGNETIC TARGET

Single track

MAGNETIC RING

TTS P-ABL

Rolling Bearing

Nonius

BALL BEARING SENSOR

TTS ABL

Single track

ALL IN ONE

TTS P-ABL

LINEAR GUIDE SENSOR

BBS INC

Nonius

BBS P-ABL

BBS ABL

LGS P-ABL

* points per revolution