

# BALL BEARING SENSOR ABSOLUTE



www.ntn-snr.com



With You

product under development



## GET POSITION SENSING IN A BALL BEARING INTEGRATION

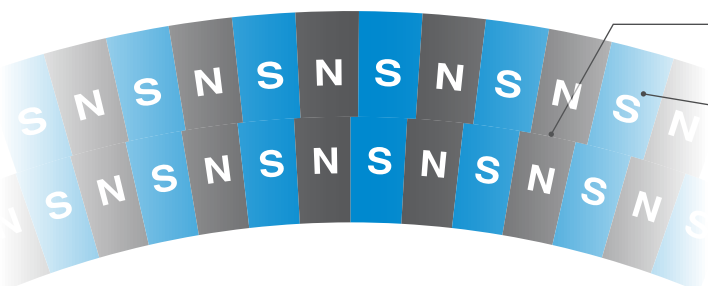
### COMPACT

- Ball bearing integration
- Hollow shaft

### TRUE POWER ON

- Complete information at power on
- No back-up batteries

## ABSOLUTE POSITION AT TRUE POWER ON HOW DOES IT WORK?



### Dual track reading:

**N** pole magnetic track

+

**N+1** pole magnetic track

=

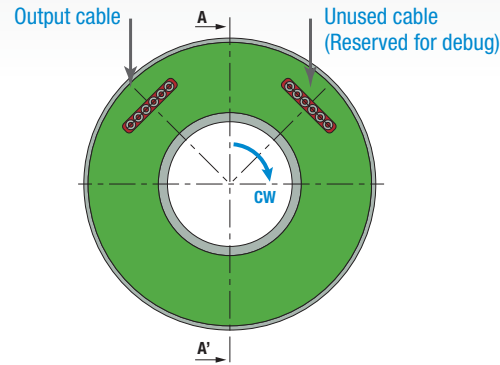
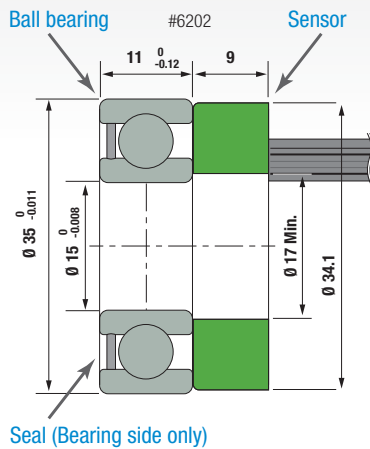
Recognizable magnetic offset between the two tracks

You get position information  
at instant power on



## CONFIGURATION

BBS	TYPE	BALL BEARING	OUTPUT
	ABL	6202(Ø15xØ35x11)	SPI, BiSS, SSI



## SPECIFICATION

- Absolute angle detection (one revolution)
- Resolution 18 bit
- Angle accuracy +/-0.2°
- Output SPI (or BiSS, SSI) communication, ABZ phase
- Bearing size 6202
- Sensor unit dimension: outer diameter 34 mm, width 9 mm

This document is the exclusive property of NTN-SNR ROULEMENTS. Any total or partial reproduction hereof without the prior consent of NTN-SNR ROULEMENTS is strictly prohibited. Legal action may be brought against anyone breaching the terms of this paragraph.

NTN-SNR ROULEMENTS shall not be held liable for any errors or omissions that may have crept into this document despite the care taken in drafting it. Due to our policy of continuous research and development, we reserve the right to make changes without notice to all or part of the products and specifications mentioned in this document.

© NTN-SNR ROULEMENTS, international copyright 2017.

NTN-SNR ROULEMENTS - 1 rue des usines - 74000 Annecy  
RCS ANNECY B 325 821 072 - Code APE 2815Z - Code NACE 28.15  
[www.ntn-snr.com](http://www.ntn-snr.com)

Contact us:

[mechatronics.industry@ntn-snr.fr](mailto:mechatronics.industry@ntn-snr.fr)



With You

