



Brand of NTN Group

## Technical data

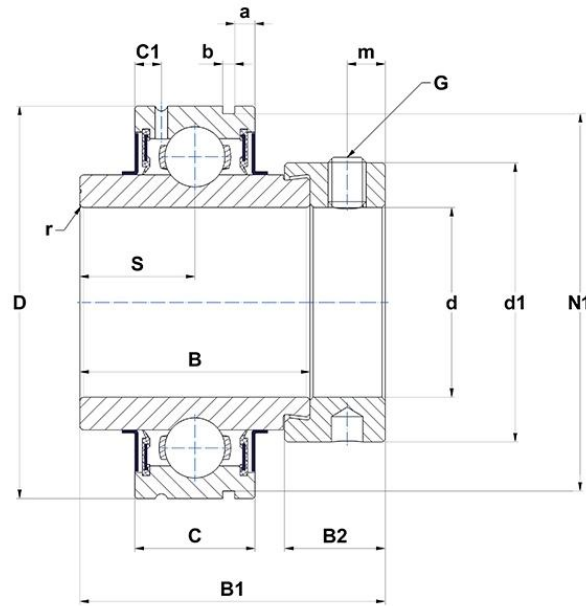
### CEX209

Insert bearings



Cylindrical outer diameter, fixing by eccentric locking collar, seal with slinger

#### VISUAL (S)



#### PRODUCT DEFINITION

<b>Brand</b>	SNR
<b>a - Distance to grooves in OR</b>	3,5 mm
<b>b - Groove width in OR</b>	1,9 mm
<b>B - Width of Inner Ring</b>	42,8 mm
<b>B1 - Overall width Inner Ring</b>	56,3 mm
<b>B2 - Width of eccentric locking collar/nut</b>	18,3 mm
<b>C - Width of Outer Ring</b>	22 mm
<b>C1 - Distance center of OR to center of lubrication zone</b>	5,1 mm



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 S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072  
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### PRODUCT DEFINITION

<b>d - Shaft diameter</b>	45 mm
<b>d1 - Outer dia of eccent. Lock. collar / nut of adapter sleeve</b>	63,5 mm
<b>D - Outer diameter of OR</b>	85 mm
<b>G - Set screw size</b>	M8x1
<b>m - Distance to set screw</b>	6,5 mm
<b>N1 - Groove dia in OR</b>	81,81 mm
<b>r - Radius Inner Ring</b>	1.5
<b>S - Distance front side/bearing centre</b>	21,4 mm
<b>f0 - Factor</b>	14
<b>SW - Wrench size</b>	4 mm

### PRODUCT PERFORMANCE

<b>C - Dynamic load rating</b>	31850000 mN
<b>C0 - Static load rating</b>	20800000 mN
<b>Operating temperature min.</b>	253,15 °K
<b>Operating temperature max.</b>	373,15 °K

### OTHER FEATURES

<b>Mass</b>	0,87 kg
<b>Recommended tightening torque for set screw</b>	11.5 N-m

### BEARING FREQUENCIES

<b>BPFO - Over rolling frequency on outer ring (60 rpm)</b>	3.62076923076923 Hz
<b>BPFI - Over rolling frequency on inner (60 rpm)</b>	5.37923076923077 Hz
<b>BSF - Over rolling frequency on rolling element (60 rpm)</b>	4.92272562083586 Hz
<b>BRF - Rotational frequency – rolling element (60 rpm)</b>	2.46136281041793 Hz



**BEARING FREQUENCIES**

**FTF - Rotational frequency - cage (60 rpm)**

0.402307692307692 Hz

