



Brand of NTN Group

## Technical data

### EX310-31G2

Insert bearings



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

#### VISUAL (S)



#### PRODUCT DEFINITION

<b>Brand</b>	SNR
<b>B - Width of Inner Ring</b>	49,2 mm
<b>B1 - Overall width Inner Ring</b>	66,6 mm
<b>B2 - Width of eccentric locking collar/nut</b>	22,2 mm
<b>C - Width of Outer Ring</b>	32 mm
<b>C1 - Distance center of OR to center of lubrication zone</b>	9,9 mm
<b>d - Shaft diameter</b>	49,213 mm
<b>d1 - Outer dia of eccent. Lock. collar / nut of adapter sleeve</b>	76,2 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 - Outer diameter of OR</b>	110 mm
<b>G - Set screw size</b>	3/8-24UNF
<b>m - Distance to set screw</b>	8,7 mm
<b>r - Radius Inner Ring</b>	2
<b>S - Distance front side/bearing centre</b>	24,6 mm
<b>f0 - Factor</b>	13
<b>SW - Wrench size</b>	4,763 mm

## PRODUCT PERFORMANCE

<b>C - Dynamic load rating</b>	62000000 mN
<b>C0 - Static load rating</b>	37800000 mN
<b>Operating temperature min.</b>	253,15 °K
<b>Operating temperature max.</b>	373,15 °K

## OTHER FEATURES

<b>Mass</b>	1,88 kg
<b>Recommended tightening torque for set screw</b>	16.8 N-m

## BEARING FREQUENCIES

<b>BPFO - Over rolling frequency on outer ring (60 rpm)</b>	3.05341614906832 Hz
<b>BPFI - Over rolling frequency on inner (60 rpm)</b>	4.94658385093168 Hz
<b>BSF - Over rolling frequency on rolling element (60 rpm)</b>	3.98907582204398 Hz
<b>BRF - Rotational frequency - rolling element (60 rpm)</b>	1.99453791102199 Hz
<b>FTF - Rotational frequency - cage (60 rpm)</b>	0.38167701863354 Hz

