



Brand of NTN Group

Technical data

CES210-31

Insert bearings



Cylindrical outer diameter, fixing by eccentric locking collar, single lip seal

VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
a - Distance to grooves in OR	3,7 mm
b - Groove width in OR	2,7 mm
B - Width of Inner Ring	30,2 mm
B1 - Overall width Inner Ring	43,7 mm
B2 - Width of eccentric locking collar/nut	18,3 mm
C - Width of Outer Ring	20 mm
d - Shaft diameter	49,213 mm



NTN Europe

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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

d1 - Outer dia of eccent. Lock. collar / nut of adapter sleeve	69,9 mm
D - Outer diameter of OR	90 mm
G - Set screw size	5/16-24UNF
m - Distance to set screw	6,5 mm
N1 - Groove dia in OR	86,79 mm
r - Radius Inner Ring	1.5
S - Distance front side/bearing centre	10 mm
f0 - Factor	14.4
SW - Wrench size	3,969 mm

PRODUCT PERFORMANCE

C - Dynamic load rating	35100000 mN
C0 - Static load rating	23200000 mN
Operating temperature min.	253,15 °K
Operating temperature max.	373,15 °K

OTHER FEATURES

Mass	0,83 kg
Recommended tightening torque for set screw	8 N-m

BEARING FREQUENCIES

BPFO - Over rolling frequency on outer ring (60 rpm)	4.09285714285714 Hz
BPMF - Over rolling frequency on inner (60 rpm)	5.90714285714286 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.33038245219348 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.66519122609674 Hz
FTF - Rotational frequency - cage (60 rpm)	0.409285714285714 Hz

