Brand of NTN Group

Technical data

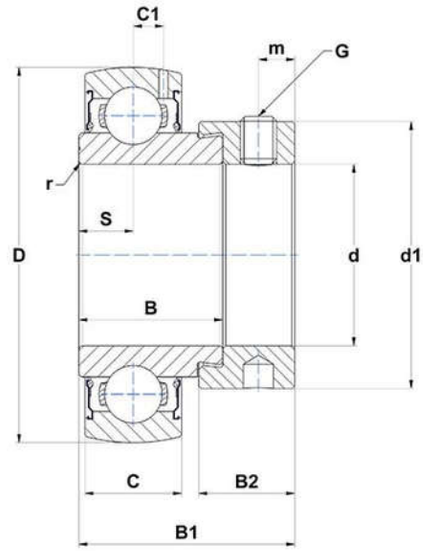
ES210-31G2

Insert bearings



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

VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
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
C1 - Distance center of OR to center of lubrication zone	6,5 mm
d - Shaft diameter	49,213 mm
d1 - Outer dia of eccent. Lock. collar / nut of adapter sleeve	67,2 mm

ES210-31G2
Insert bearings

PRODUCT DEFINITION	
D - Outer diameter of OR	90 mm
G - Set screw size	5/16-24UNF
m - Distance to set screw	6,5 mm
r - Radius Inner Ring	1.1
S - Distance front side/bearing centre	11 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
BPFI - 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