

Technical data

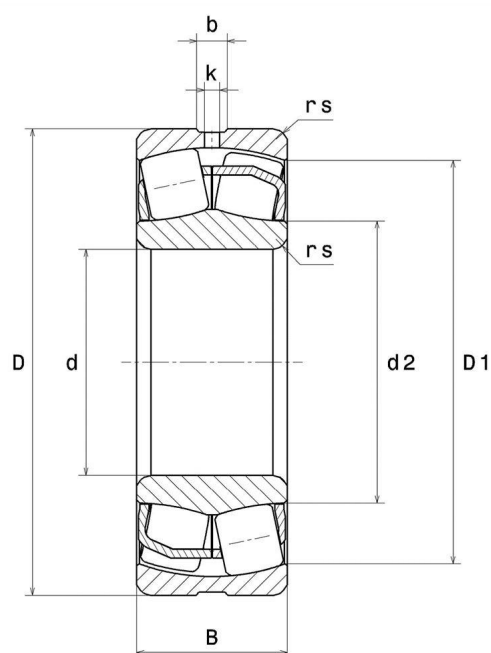
22210EAW33C3

Spherical roller bearings



ULTAGE®

VISUAL (S)





PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	50 mm
D - External diameter	90 mm
B - Bearing/Inner ring width	23 mm
d2 - External diameter inner ring	59,5 mm
D1 - Inner diameter outer ring	80,7 mm
rs - Min fillet radius	1,1 mm
Number of lubrication holes	3
b - Groove width	5,83 mm
k - Hole diameter	2,5 mm
Radial clearance class	C3
Mass	0,603 kg

PRODUCT PERFORMANCE



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C - Dynamic load	130 kN
C0 - Static load	124 kN
Cu - Fatigue limit load	15,1 kN
e - Coefficient	0.24
Y0 - Static axial load coefficient	2.78
Y1 - Lower axial load coefficient	2.84
Y2 - Upper axial load coefficient	4.23
N ref - Reference thermal speed	6700 tr/min
N lim - Mechanical Limit Speed	9100 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	200 °C

ABUTMENT

da min - Min shoulder diameter IR	57 mm
Da max - Max shoulder diameter OR	83 mm
ra max - Max shaft & housing fillet radius	1 mm

ESHOPDONOTDISPLAY

Tracepart	Oui/Yes
URL 3D Platform	https://www.traceparts.com/els/ntn-snr/goto?PartNumber=22210EAW33C3
Reference	22210EAW33C3
Image	SRBEAW33_1.jpg, SRBEAW33_2.jpg, SRBEAW33_3.jpg
ULTAGE	Oui/Yes
Rolling element material	Acier 100Cr6
Number of deflectors	0



ESHOPDONOTDISPLAY

Number of seals

0

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	Y1	0.67	Y2

Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X_0	Y_0
1	Y0

The values for e, Y1, Y2 and Y0 are shown in the above table .



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
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