



**Technical data**

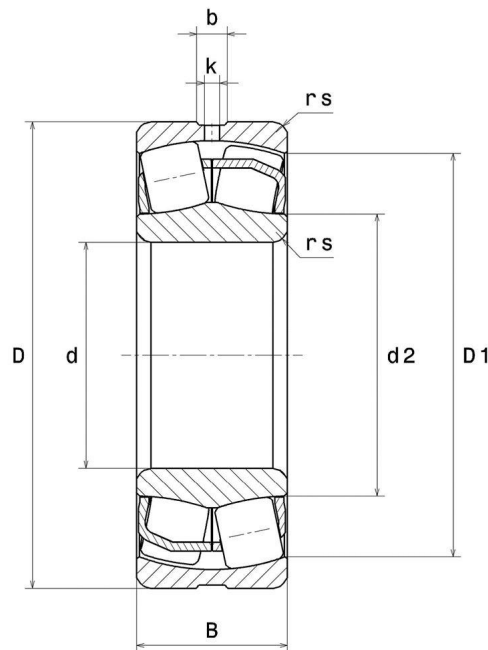
**24026EAW33**

Spherical roller bearings

Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring

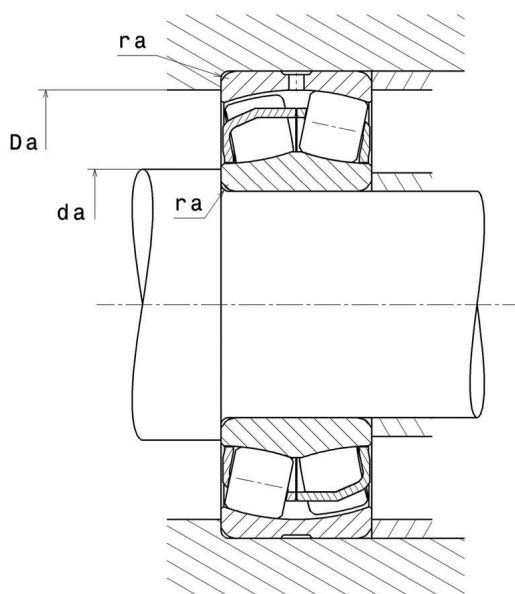
**ULTAGE**

**VISUAL (S)**



# 24026EAW33

## Spherical roller bearings



### PRODUCT DEFINITION

<b>Brand</b>	SNR
<b>d - Internal diameter</b>	130 mm
<b>D - External diameter</b>	200 mm
<b>B - Bearing/Inner ring width</b>	69 mm
<b>d2 - External diameter inner ring</b>	143 mm
<b>D1 - Inner diameter outer ring</b>	178,6 mm
<b>rs - Min fillet radius</b>	2 mm
<b>Number of lubrication holes</b>	3
<b>b - Groove width</b>	8,34 mm
<b>k - Hole diameter</b>	4 mm
<b>Radial clearance class</b>	CN
<b>Mass</b>	7,5 kg

### PRODUCT PERFORMANCE

**NTN-SNR ROULEMENTS**

[www.ntn-snr.com](http://www.ntn-snr.com)

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S.A. au capital de 241 599 528 € - RCS ANNECY B 325 821 072 - Id. Fiscale : FR 48 325 821 072

SIRET 325 821 072 00015 - Code APE 2815 Z - Code NACE 28.15

### PRODUCT PERFORMANCE

<b>C - Dynamic load</b>	684 kN
<b>C0 - Static load</b>	909 kN
<b>Cu - Fatigue limit load</b>	95,1 kN
<b>e - Coefficient</b>	0.31
<b>Y0 - Static axial load coefficient</b>	2.13
<b>Y1 - Lower axial load coefficient</b>	2.18
<b>Y2 - Upper axial load coefficient</b>	3.25
<b>Nref - Reference thermal speed</b>	2300 tr/min
<b>Nlim - Mechanical Limit Speed</b>	3100 tr/min
<b>Tmin - Min operating temperature</b>	-40 °C
<b>Tmax - Max operating temperature</b>	200 °C

### BEARING FREQUENCIES

<b>BPFO - Characteristic outer ring frequency (60 rpm)</b>	10.155 Hz
<b>BPFI - Characteristic inner ring frequency (60 rpm)</b>	12.845 Hz
<b>FTF - Characteristic cage frequency (60 rpm)</b>	0.442 Hz
<b>BSF - Characteristic rolling element frequency (60 rpm)</b>	8.257 Hz

### ABUTMENT

<b>da max - Max shoulder diameter IR</b>	0 mm
<b>da min - Min shoulder diameter IR</b>	138,8 mm
<b>Da max - Max shoulder diameter OR</b>	191,2 mm
<b>ra max - Max shaft &amp; housing fillet radius</b>	2 mm

**INDUSTRY CALCUL FACTORS**

**Equivalent dynamic radial load**

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

Fa / Fr ≤ e		Fa / Fr > 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 <sub>0</sub>	Y <sub>0</sub>
1	Y0

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