



Technical data

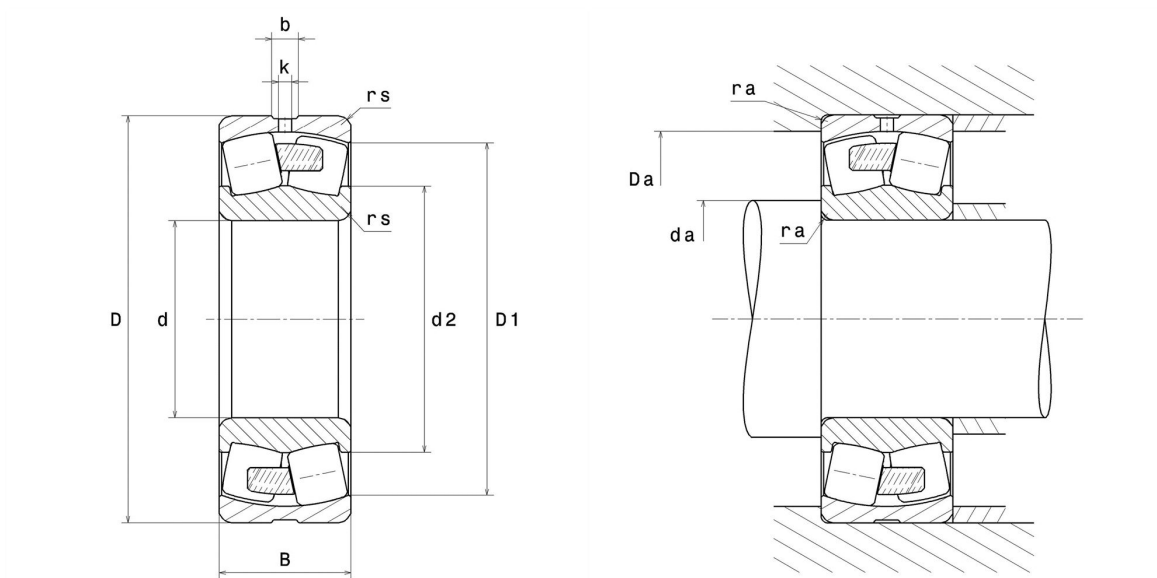
23952EMD1

Double row spherical roller bearings

Spherical roller bearing, one-piece machined cage, groove and lubrication holes on outer ring

ULTAGE

Visual(s)



Product definition

d	260 mm
D	360 mm
B	75 mm
d2	292 mm
D1	335 mm
rs min	2.1 mm
Number of lubrication holes	8
b	11 mm
k	6 mm
e	0.17
Y1	3.9
Y2	5.81
Y0	3.81
Radial clearance class	CN
Brand	NTN

Product performance

Dynamic load, C	1,130 kN
Static load, C₀	1,940 kN
Fatigue limit load, C_u	154 kN
N_{ref}	0 Tr/min
N_{lim}	0 Tr/min
Min operating temperature, T_{min}	-40 °C
Max operating temperature, T_{max}	200 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	13.84 Hz
Characteristic outer ring frequency, BPF₀	17.18 Hz
Characteristic inner ring frequency, BPFI	19.82 Hz

Abutment dimensions

da min	270.2 mm
Da max	349.8 mm
ra max	2 mm

Calculation 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 ₀	Y ₀
1	Y0

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