Technical data

23952EMD1

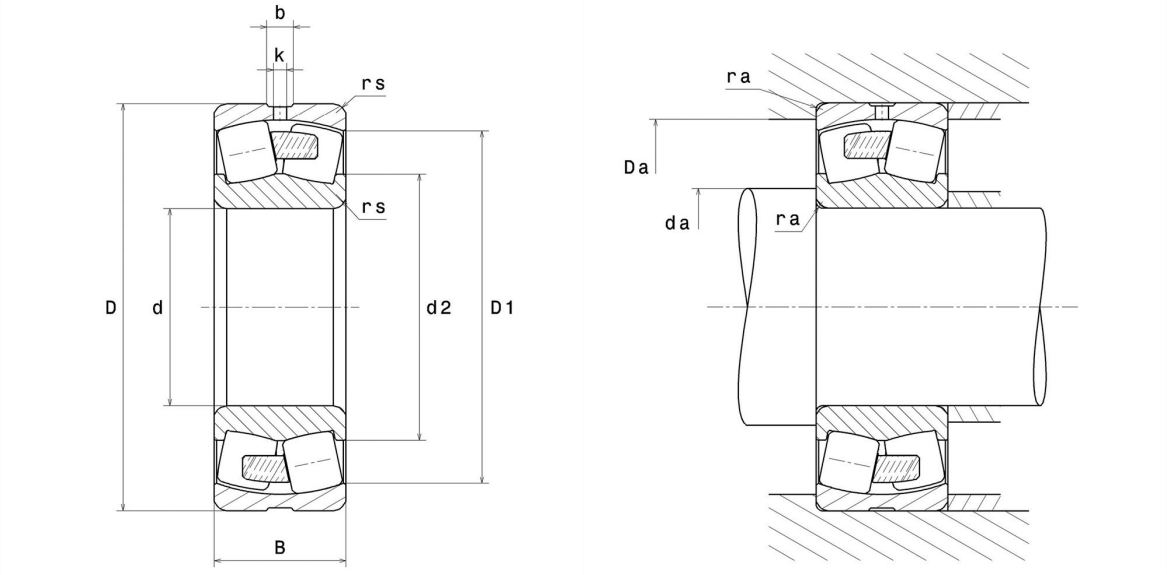
Double row spherical roller bearings



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, Cu	154 kN
Nref	0 Tr/min
Nlim	0 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	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

$P = X.Fr + Y.Fa$

$Fa/Fr \leq e$		$Fa/Fr > e$	
X	Y	X	Y
1	Y1	0.67	Y2

Equivalent static radial load

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
1	Y0

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