Technical data

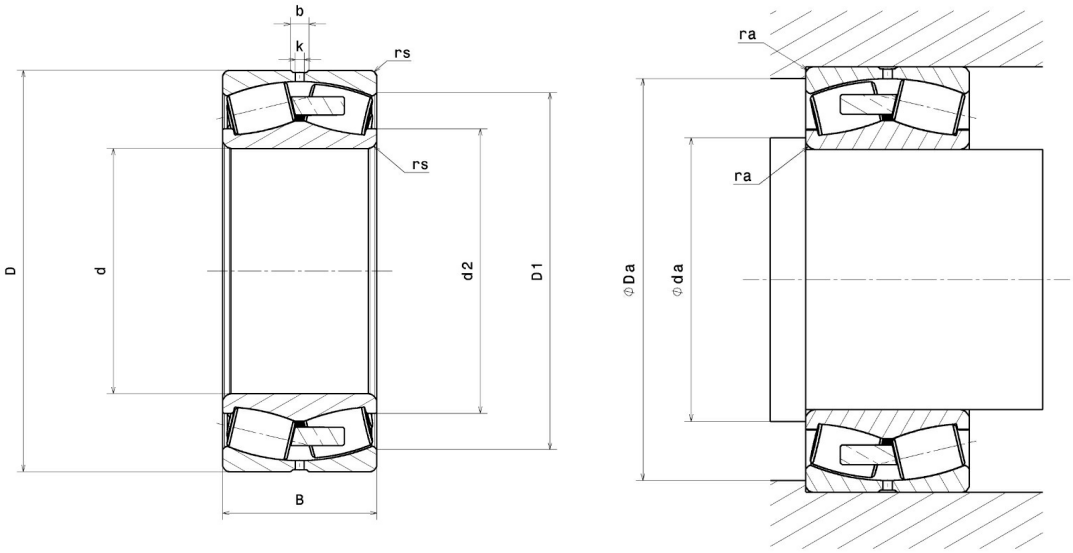
23064EMD1

Double row spherical roller bearings

ULTAGE



Visual(s)



Product definition

d	320 mm
D	480 mm
B	121 mm
d2	360 mm
D1	433 mm
rs min	4 mm
Number of lubrication holes	8
b	20 mm
k	12 mm
e	0.23
Y1	2.92
Y2	4.35
Y0	2.86
Radial clearance class	CN
Brand	NTN

Product performance

Dynamic load, C	2,540 kN
Static load, C0	4,020 kN
Fatigue limit load, Cu	191 kN
Nlim (oil)	1,070 Tr/min
Nlim (grease)	850 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	10.09 Hz
Characteristic outer ring frequency, BPF0	12.64 Hz
Characteristic inner ring frequency, BPFI	15.36 Hz

Abutment dimensions

da min	335 mm
Da max	465 mm
ra max	4 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

$P_0 = X_0.Fr + Y_0.Fa$

X_0	Y_0
1	Y0

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