Technical data

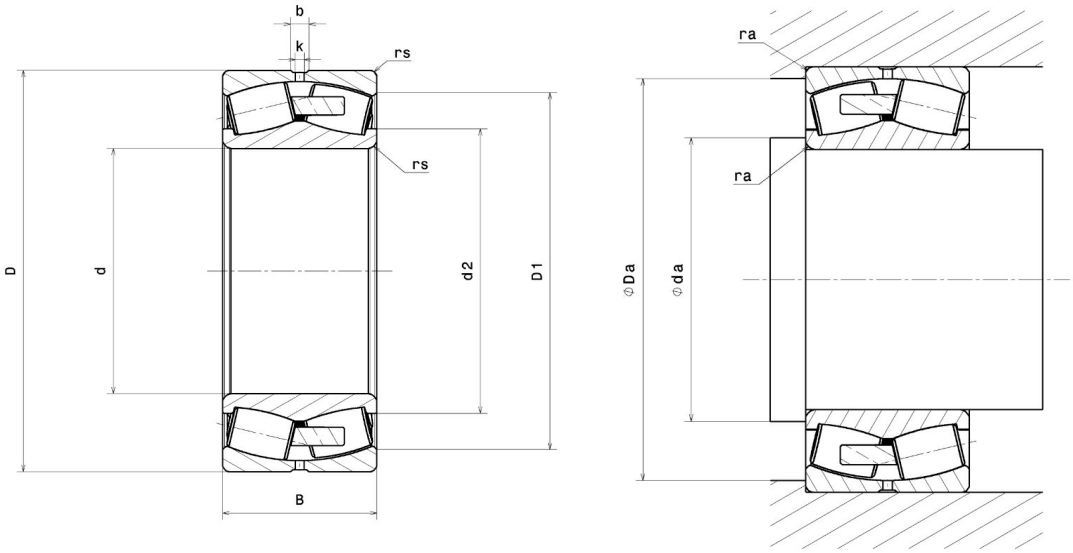
23068EMD1C3

Double row spherical roller bearings

ULTAGE



Visual(s)



Product definition

d	340 mm
D	520 mm
B	133 mm
d2	384 mm
D1	466 mm
rs min	5 mm
Number of lubrication holes	8
b	20 mm
k	12 mm
e	0.24
Y1	2.87
Y2	4.27
Y0	2.8
Radial clearance class	C3
Brand	NTN

Product performance

Dynamic load, C	2,990 kN
Static load, C0	4,690 kN
Fatigue limit load, Cu	219 kN
Nlim (oil)	1,000 Tr/min
Nlim (grease)	790 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	9.69 Hz
Characteristic outer ring frequency, BPF0	12.14 Hz
Characteristic inner ring frequency, BPFI	14.86 Hz

Abutment dimensions

da min	358 mm
Da max	502 mm
ra max	5 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 .