Technical data

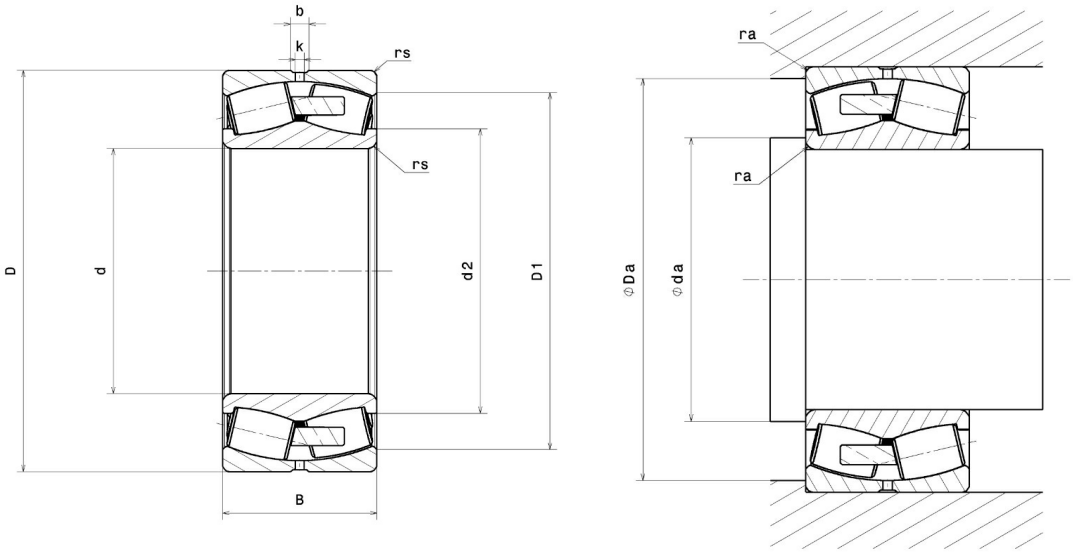
23060EMD1

Double row spherical roller bearings

ULTAGE



Visual(s)



Product definition

d	300 mm
D	460 mm
B	118 mm
d2	338 mm
D1	413 mm
rs min	4 mm
Number of lubrication holes	8
b	16 mm
k	10 mm
e	0.24
Y1	2.81
Y2	4.19
Y0	2.75
Radial clearance class	CN
Brand	NTN

Product performance

Dynamic load, C	2,400 kN
Static load, C0	3,610 kN
Fatigue limit load, Cu	176 kN
Nlim (oil)	1,130 Tr/min
Nlim (grease)	890 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	9.33 Hz
Characteristic outer ring frequency, BPF0	11.64 Hz
Characteristic inner ring frequency, BPFI	14.36 Hz

Abutment dimensions

da min	315 mm
Da max	445 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 .