Technical data

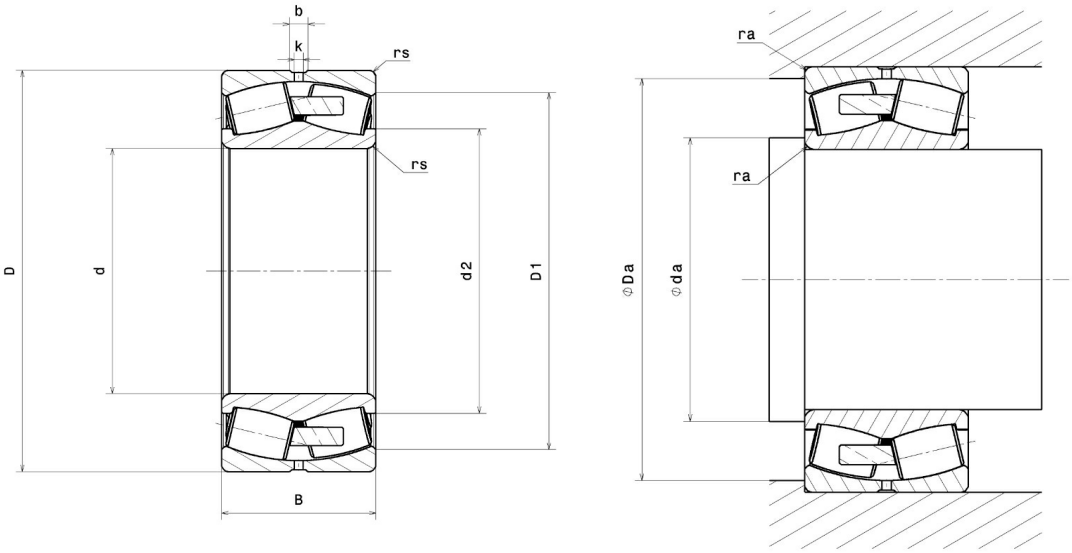
23252EMD1

Double row spherical roller bearings

ULTAGE



Visual(s)



Product definition

d	260 mm
D	480 mm
B	174 mm
d2	310 mm
D1	405 mm
rs min	5 mm
Number of lubrication holes	8
b	27 mm
k	16 mm
e	0.36
Y1	1.87
Y2	2.79
Y0	1.83
Radial clearance class	CN
Brand	NTN

Product performance

Dynamic load, C	3,650 kN
Static load, C0	5,050 kN
Fatigue limit load, Cu	180 kN
Nlim (oil)	1,000 Tr/min
Nlim (grease)	780 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.81 Hz
Characteristic outer ring frequency, BPF0	8.17 Hz
Characteristic inner ring frequency, BPFI	10.83 Hz

Abutment dimensions

da min	280 mm
Da max	460 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 .