Technical data

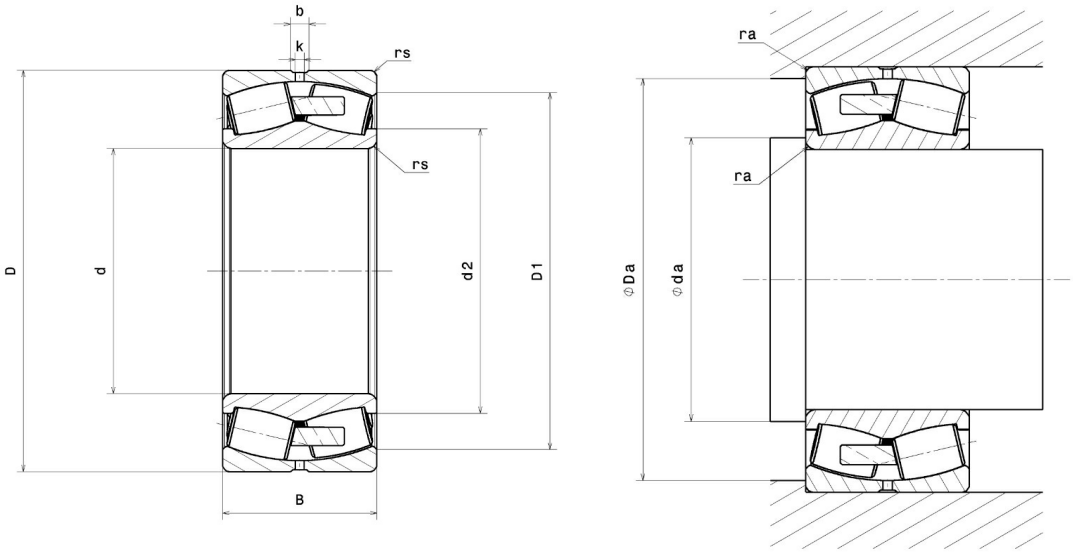
22248EMD1

Double row spherical roller bearings

ULTAGE



Visual(s)



Product definition

d	240 mm
D	440 mm
B	120 mm
d2	288 mm
D1	383 mm
rs min	4 mm
Number of lubrication holes	8
b	16 mm
k	10 mm
e	0.27
Y1	2.53
Y2	3.77
Y0	2.47
Radial clearance class	CN
Brand	NTN

Product performance

Dynamic load, C	2,470 kN
Static load, C0	3,110 kN
Fatigue limit load, Cu	159 kN
Nlim (oil)	1,350 Tr/min
Nlim (grease)	1,060 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	6.65 Hz
Characteristic outer ring frequency, BPF0	8.12 Hz
Characteristic inner ring frequency, BPFI	10.88 Hz

Abutment dimensions

da min	257 mm
Da max	423 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 .