Technical data

23948EMD1

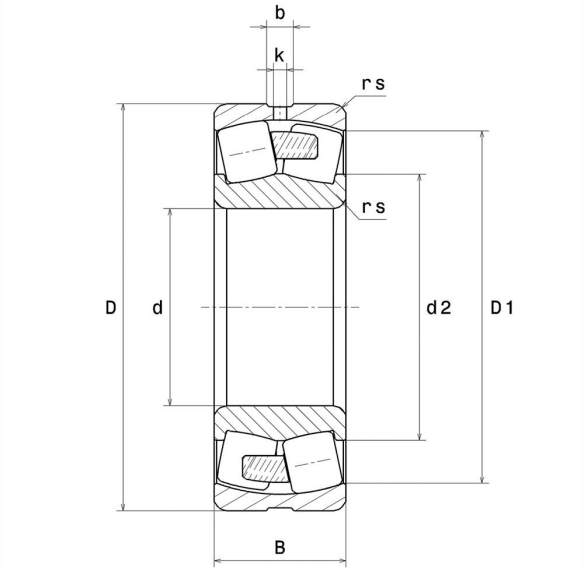
Double row spherical roller bearings

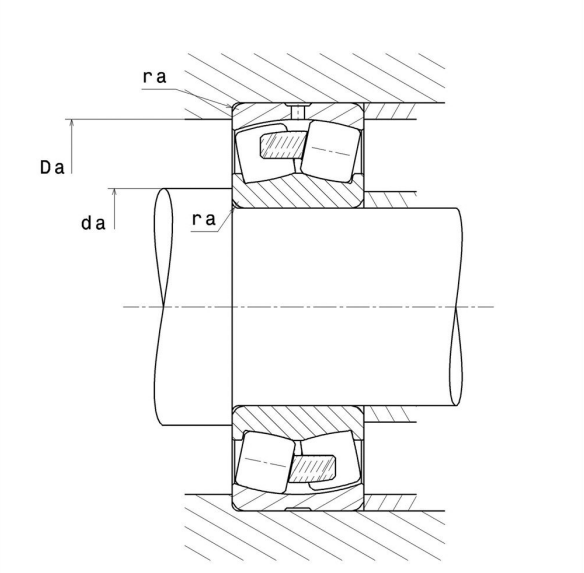


Spherical roller bearing, one-piece machined cage, groove and lubrication holes on outer ring

ULTAGE

Visual(s)





Product definition

d	240 mm
D	320 mm
B	60 mm
d2	262 mm
D1	301 mm
rs min	2.1 mm
Number of lubrication holes	4
b	9 mm
k	5 mm
e	0.15
Y1	4.4
Y2	6.56
Y0	4.31
Radial clearance class	CN
Brand	NTN

Product performance

Dynamic load, C	815 kN
Static load, C0	1,190 kN
Fatigue limit load, Cu	129 kN
Nref	0 Tr/min
Nlim	0 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	14.05 Hz
Characteristic outer ring frequency, BPF0	17.66 Hz
Characteristic inner ring frequency, BPFI	20.34 Hz

Abutment dimensions

da min	250.2 mm
Da max	309.8 mm
ra max	2 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 .