Technical data

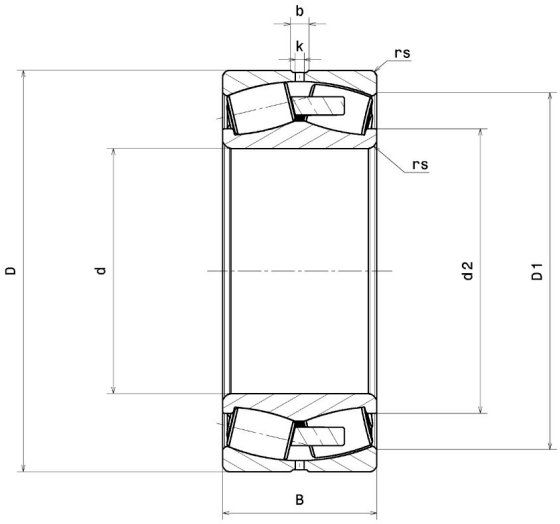
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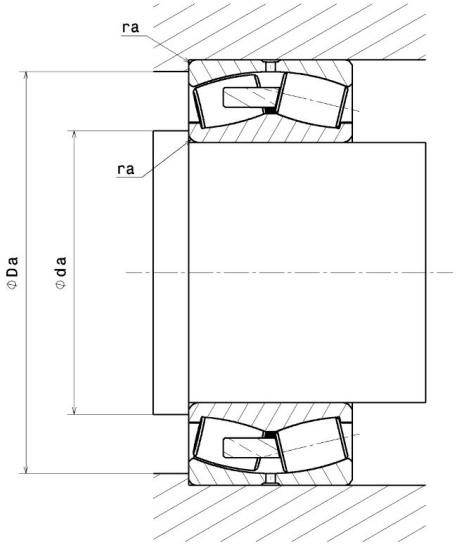
Double row spherical roller bearings

ULTAGE



Visual(s)





Product definition

d	280 mm
D	460 mm
B	146 mm
d2	322 mm
D1	403 mm
rs min	5 mm
Number of lubrication holes	8
b	20 mm
k	12 mm
e	0.3
Y1	2.23
Y2	3.32
Y0	2.18
Radial clearance class	C3
Brand	NTN

Product performance

Dynamic load, C	2,980 kN
Static load, C0	4,400 kN
Fatigue limit load, Cu	182 kN
Nlim (oil)	1,030 Tr/min
Nlim (grease)	810 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	8.15 Hz
Characteristic outer ring frequency, BPF0	10.14 Hz
Characteristic inner ring frequency, BPFI	12.86 Hz

Abutment dimensions

da min	300 mm
Da max	440 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

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
1	Y0

The values for e, Y1, Y2 and Y0 are shown in the above table .