Technical data

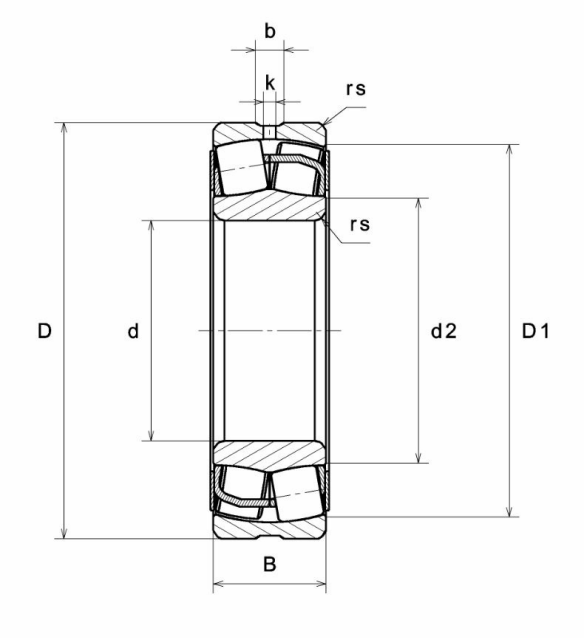
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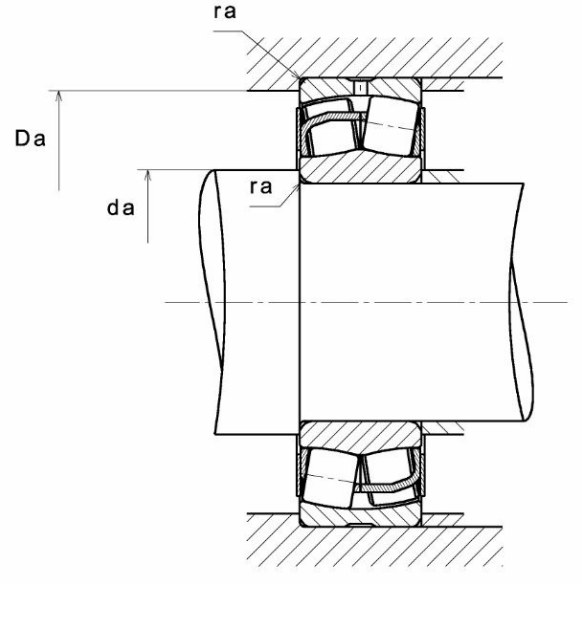
Double row spherical roller bearings

ULTAGE



Visual(s)





Product definition

d	80 mm
D	140 mm
B	33 mm
d2	94 mm
D1	127 mm
rs min	2 mm
Number of lubrication holes	3
b	7.87 mm
k	3.5 mm
Associated sleeve reference	P0
e	0.22
Y1	3.14
Y2	4.67
Y0	3.07
Radial clearance class	C3
Mass	2.15 kg
Brand	SNR

Product performance

Dynamic load, C	278 kN
Static load, C0	287 kN
Fatigue limit load, Cu	33.4 kN
Nref	4,300 Tr/min
Nlim	5,800 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	6.68 Hz
Characteristic outer ring frequency, BPF0	8.12 Hz
Characteristic inner ring frequency, BPFI	10.88 Hz

Abutment dimensions

da min	91 mm
da max	2 mm
db min	94.9 mm
Da max	129 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

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
1	Y0

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