Technical data

24052EAW33

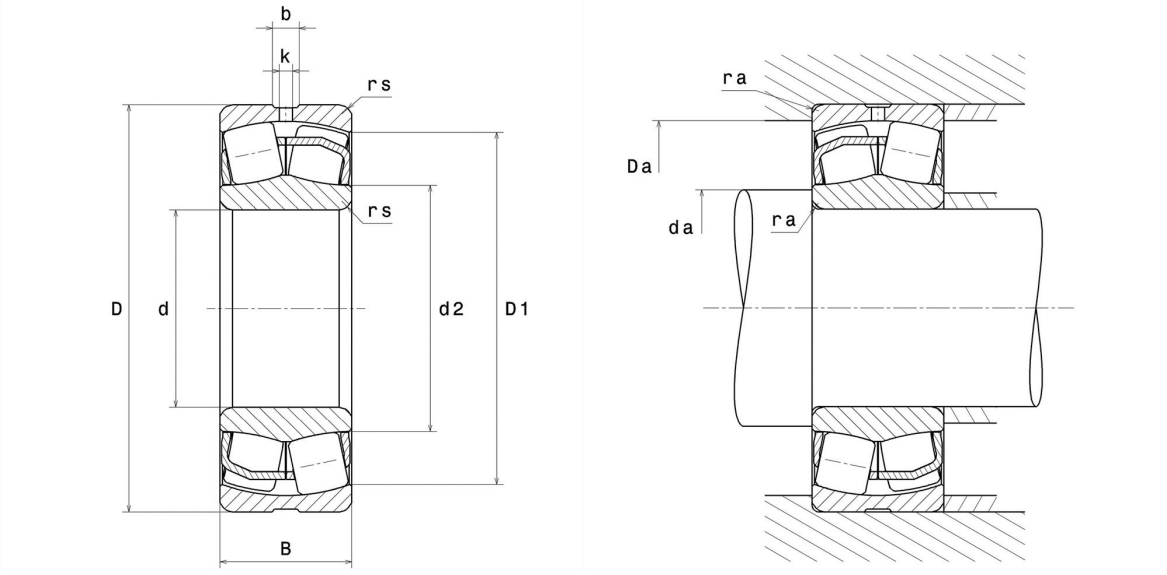
Double row spherical roller bearings



Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring

ULTAGE

Visual(s)



Product definition

d	260 mm
D	400 mm
B	140 mm
d2	286.2 mm
D1	353.9 mm
rs min	4 mm
Number of lubrication holes	3
b	19.3 mm
k	8 mm
Associated sleeve reference	P0
e	0.31
Y1	2.16
Y2	3.22
Y0	2.12
Radial clearance class	CN
Mass	62.42 kg
Brand	SNR

Product performance

Dynamic load, C	2,520 kN
Static load, C0	3,820 kN
Fatigue limit load, Cu	203 kN
Nref	950 Tr/min
Nlim	1,600 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	8.54 Hz
Characteristic outer ring frequency, BPF0	10.64 Hz
Characteristic inner ring frequency, BPFI	13.36 Hz

Abutment dimensions

da min	275 mm
da max	3 mm
Da max	385 mm
ra max	3 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 .