Technical data

23036.EAW33C4

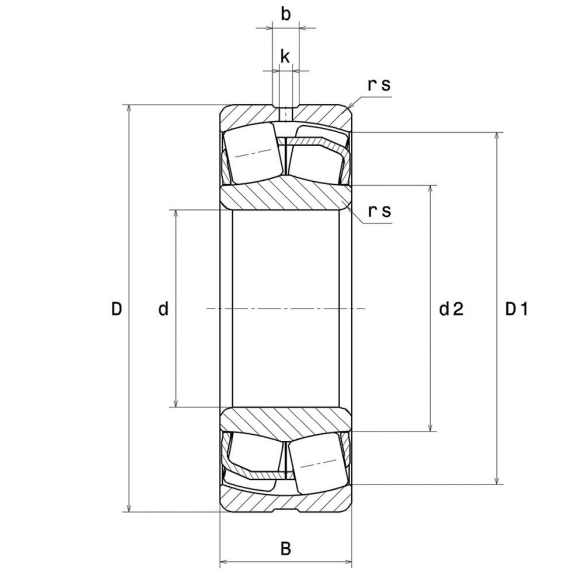
Double row spherical roller bearings

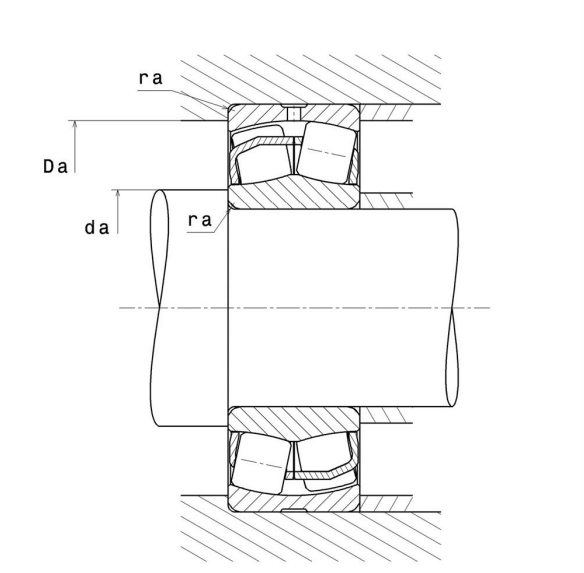


Spherical roller bearing, pressed steel cage, groove and lubrication holes on outer ring

ULTAGE

Visual(s)





Product definition

d	180 mm
D	280 mm
B	74 mm
d2	203.6 mm
D1	255 mm
rs min	2.1 mm
Number of lubrication holes	3
b	13.2 mm
k	6 mm
Associated sleeve reference	P0
e	0.23
Y1	2.95
Y2	4.4
Y0	2.89
Radial clearance class	C4
Mass	16.9 kg
Brand	SNR

Product performance

Dynamic load, C	1,080 kN
Static load, C0	1,450 kN
Fatigue limit load, Cu	113 kN
Nref	2,000 Tr/min
Nlim	2,500 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	8.42 Hz
Characteristic outer ring frequency, BPF0	10.61 Hz
Characteristic inner ring frequency, BPFI	13.39 Hz

Abutment dimensions

da min	190.2 mm
da max	2 mm
Da max	269.8 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 .