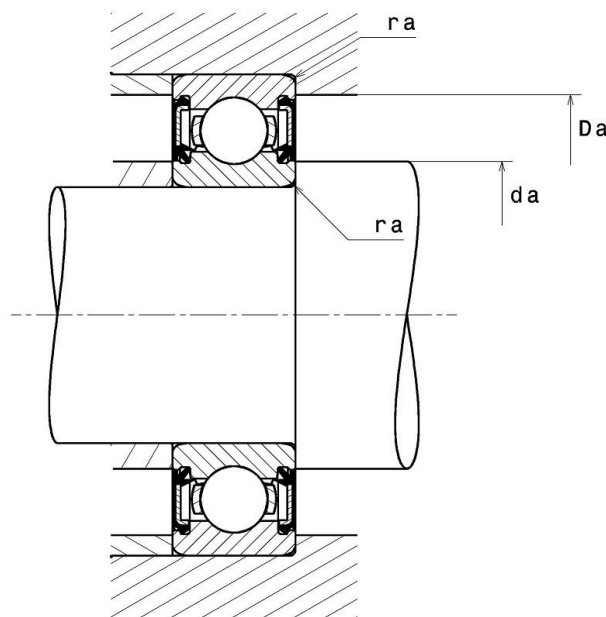
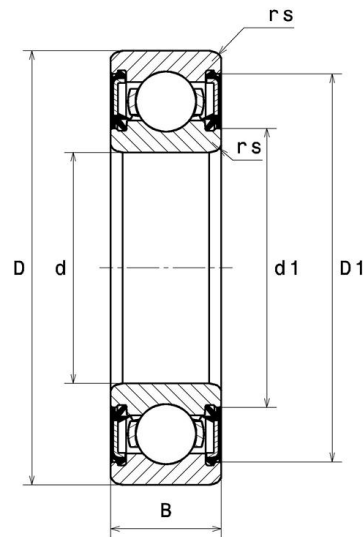


**Technical data**

**6007EE**

Single row deep groove ball bearings

**VISUAL (S)**



# 6007EE

Single row deep groove ball bearings

## PRODUCT DEFINITION

<b>Brand</b>	SNR
<b>d - Internal diameter</b>	35 mm
<b>D - External diameter</b>	62 mm
<b>B - Bearing/Inner ring width</b>	14 mm
<b>d1 - External diameter inner ring</b>	41,9 mm
<b>D1 - Inner diameter outer ring</b>	55,9 mm
<b>rs - Min fillet radius</b>	1 mm
<b>Radial clearance class</b>	CN
<b>Mass</b>	0,152 kg

## PRODUCT PERFORMANCE

<b>C - Dynamic load</b>	16,8 kN
<b>C0 - Static load</b>	10,3 kN
<b>Cu - Fatigue limit load</b>	0,47 kN
<b>f0 - Coefficient</b>	14.8
<b>Nlim - Mechanical Limit Speed</b>	6900 tr/min
<b>Tmin - Min operating temperature</b>	-30 °C
<b>Tmax - Max operating temperature</b>	120 °C

## BEARING FREQUENCIES

<b>BPFO - Characteristic outer ring frequency (60 rpm)</b>	4.6 Hz
<b>BPFI - Characteristic inner ring frequency (60 rpm)</b>	6.4 Hz
<b>FTF - Characteristic cage frequency (60 rpm)</b>	0.418 Hz
<b>BSF - Characteristic rolling element frequency (60 rpm)</b>	5.946 Hz

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Single row deep groove ball bearings

## ABUTMENT

<b>da min - Min shoulder diameter IR</b>	40 mm
<b>da max - Max shoulder diameter IR</b>	41,9 mm
<b>Da max - Max shoulder diameter OR</b>	57 mm
<b>ra max - Max shaft &amp; housing fillet radius</b>	1 mm

## OE EQUIVALENTS

<b>Manufacturer</b>	<b>Part number</b>
<b>RENAULT</b>	7703090428

## AUTOMOTIVE COMPATIBILITY

<b>Brand</b>	<b>Model</b>	<b>Generation</b>	<b>Date</b>	<b>Location</b>	<b>Position</b>
<b>RENAULT</b>	Espace	Espace III	09/1996 => 06/2000	Level relay	
<b>RENAULT</b>	Espace	Espace III FL	07/2000 => 10/2002	Level relay	
<b>RENAULT</b>	Laguna	Laguna Phase 1 (B56)	01/1994 => 04/1998	Level relay	
<b>RENAULT</b>	Laguna	Laguna Phase 2 (B56)	05/1998 => 12/2000	Level relay	
<b>RENAULT</b>	Safrane	Safrane	05/1992 => 09/1996	Level relay	

## INDUSTRY CALCUL FACTORS

## Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

$\frac{f_0 F_a}{C_0}$	e	Fa / Fr ≤ e		Fa / Fr > e	
		X	Y	X	Y
0.172	0.19	1	0	0.56	2.3
0.345	0.22				1.99
0.689	0.26				1.71
1.03	0.28				1.55
1.38	0.3				1.45
2.07	0.34				1.31
3.45	0.38				1.15
5.17	0.42				1.04
6.89	0.44				1

## Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

$X_0$	$Y_0$
0.6	0.5

For single or DT bearing arrangement:

If  $P_0 < F_r$ , then use  $P_0 = F_r$