

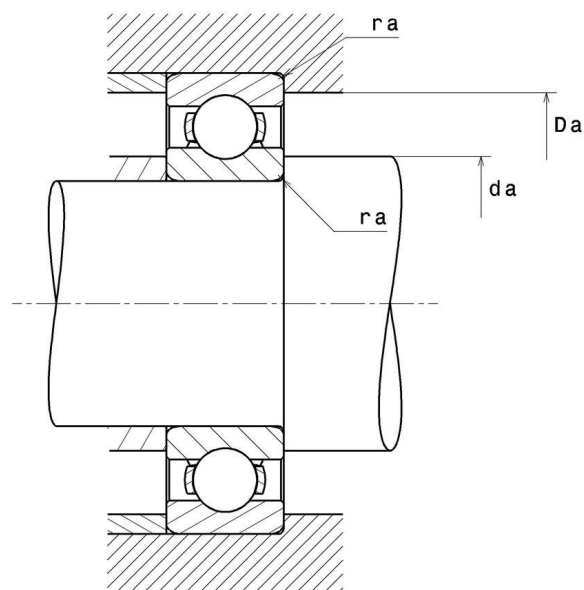
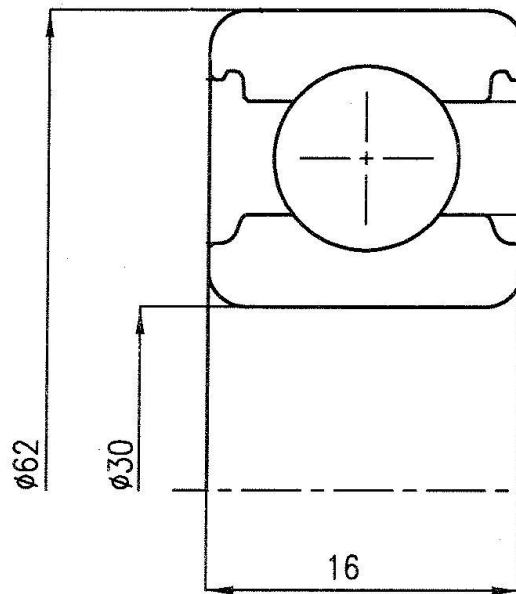
Technical data

6206

Single row deep groove ball bearings

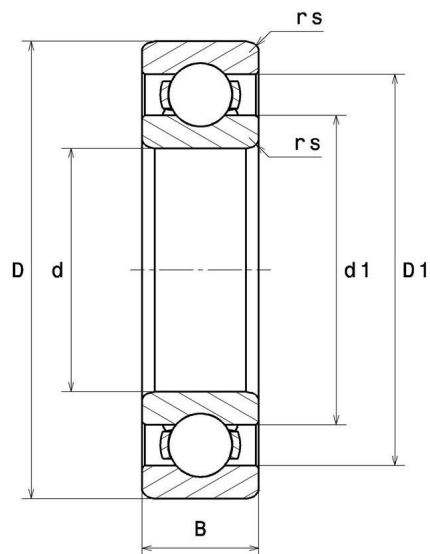
Deep groove ball bearing, radial contact, pressed steel cage, open

VISUAL (S)



6206

Single row deep groove ball bearings



PRODUCT DIMENSIONS

Internal diameter d	30 mm
External diameter D	62 mm
Bearing/Inner ring width(B)	16 mm
External diameter inner ring d1	38,8 mm
Inner diameter outer ring D1	54,4 mm
Min fillet radius rs	1 mm
Radial clearance class	CN
Mass	0,194 kg
Brand	SNR

PRODUCT PERFORMANCE

Dynamic load, C	19,2 kN
Static load, C0	11,3 kN
Fatigue limit load, Cu	0,51 kN
Coefficient f0	13.8
Reference thermal speed (Nref)	12000 tr/min
Mechanical Limit Speed Nlim	18000 tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

PRODUCT PERFORMANCE

Characteristic cage frequency, FTF	0.398 Hz
Characteristic rolling element frequency, BSF	4.677 Hz
Characteristic outer ring frequency, BPF0	3.578 Hz
Characteristic inner ring frequency, BPFI	5.422 Hz

ABUTMENT

Min shoulder diameter IR da min	35 mm
Max shoulder diameter IR da max	0 mm
Max shoulder diameter OR Da max	57 mm
Max shaft & housing fillet radius ra max	1 mm

OE EQUIVALENTS

Manufacturer	Part number
SUBARU	28416-KC000

AUTOMOTIVE COMPATIBILITY

Brand	Model	Generation	Date	Location	Position
SUBARU	Justy	Justy	06/1986 => 06/1995		
SUBARU	Justy	Justy	06/1986 => 06/1995	REAR	Left / Right
SUBARU	Vivio	Vivio	03/1992 => 10/1995	REAR	Left / Right
SUBARU	Vivio	Vivio	03/1992 => 10/1995		

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 $P_0 = F_r$