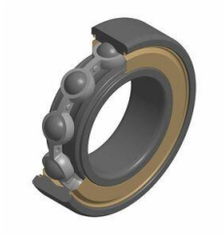


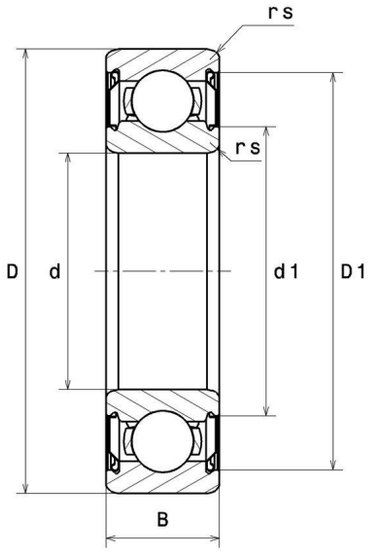
Technical data

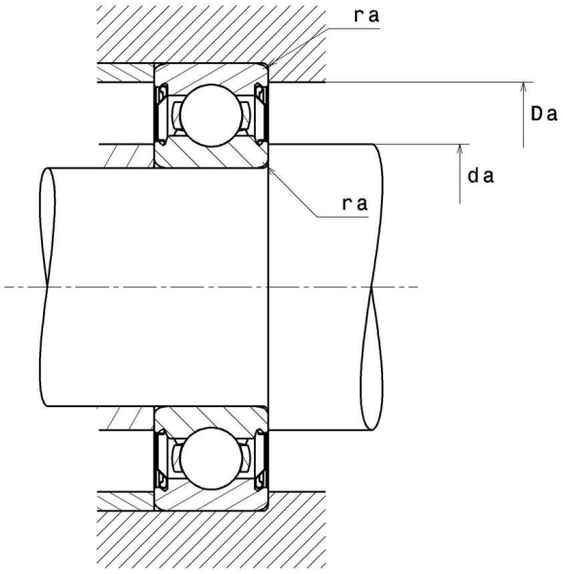
6001.ZZC3

Single row deep groove ball bearings

Deep groove ball bearing, radial contact, pressed steel cage, shields on both sides

VISUAL (S)





6001.ZZC3
Single row deep groove ball bearings

PRODUCT DIMENSIONS	
Internal diameter d	12 mm
External diameter D	28 mm
Bearing/Inner ring width(B)	8 mm
External diameter inner ring d1	16,3 mm
Inner diameter outer ring D1	24,9 mm
Min fillet radius rs	0,3 mm
Radial clearance class	C3
Mass	0,021 kg
Brand	SNR

PRODUCT PERFORMANCE	
Dynamic load, C	5,1 kN
Static load, C0	2,39 kN
Fatigue limit load, Cu	0,11 kN
Coefficient f0	13.2
Reference thermal speed (Nref)	24000 tr/min
Mechanical Limit Speed Nlim	36000 tr/min
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.384 Hz
Characteristic rolling element frequency, BSF	4.072 Hz
Characteristic outer ring frequency, BPF0	3.071 Hz
Characteristic inner ring frequency, BPFI	4.929 Hz

ABUTMENT	
Min shoulder diameter IR da min	14 mm
Max shoulder diameter IR da max	16,3 mm
Max shoulder diameter OR Da max	26 mm
Max shaft & housing fillet radius ra max	0,3 mm

6001.ZZC3
Single row deep groove ball bearings

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

P = X.Fr + Y.Fa

$\frac{f_0 F_a}{C_0}$	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

Po = Xo.Fr + Yo.Fa

X_0	Y_0
0.6	0.5

For single or DT bearing arrangement :

If Po <Fr, then use Po = Fr