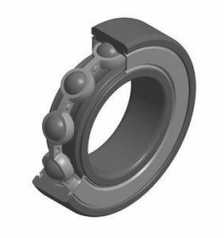


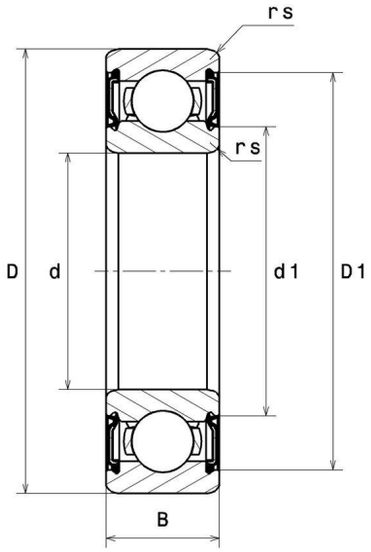
Technical data

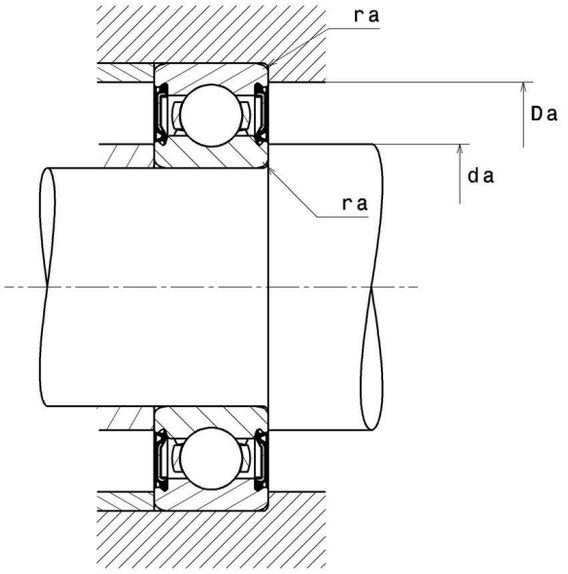
6208.EEC3

Single row deep groove ball bearings

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

VISUAL (S)





6208.EEC3
Single row deep groove ball bearings

PRODUCT DIMENSIONS	
Internal diameter d	40 mm
External diameter D	80 mm
Bearing/Inner ring width(B)	18 mm
External diameter inner ring d1	51,1 mm
Inner diameter outer ring D1	69,4 mm
Min fillet radius rs	1,1 mm
Radial clearance class	C3
Mass	0,367 kg
Brand	SNR

PRODUCT PERFORMANCE	
Dynamic load, C	29,1 kN
Static load, C0	18,1 kN
Fatigue limit load, Cu	0,82 kN
Coefficient f0	14.0
Mechanical Limit Speed Nlim	5600 tr/min
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.8 Hz
Characteristic outer ring frequency, BPF0	3.6 Hz
Characteristic inner ring frequency, BPFI	5.4 Hz

ABUTMENT	
Min shoulder diameter IR da min	46,5 mm
Max shoulder diameter IR da max	51,1 mm
Max shoulder diameter OR Da max	73,5 mm
Max shaft & housing fillet radius ra max	1 mm

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