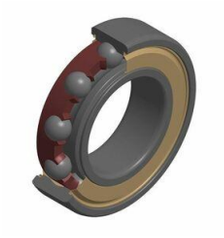


Technical data

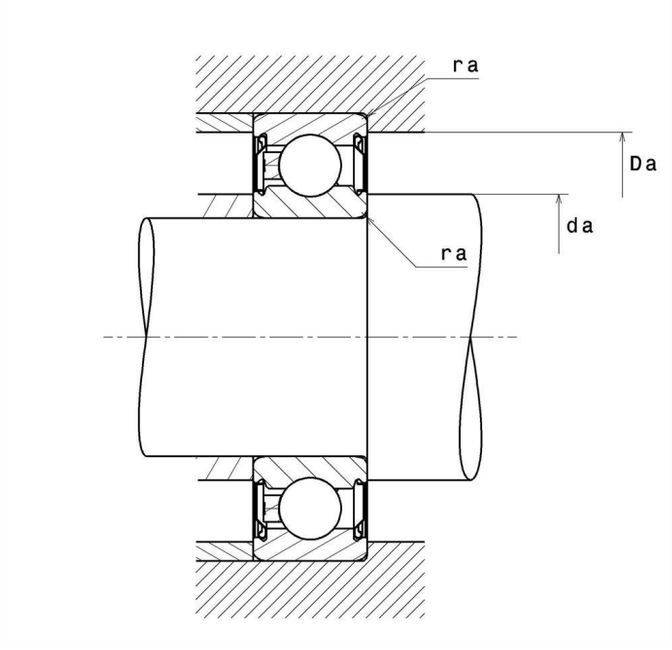
6006HVZZ

Single row deep groove ball bearings

TOPLINE deep groove ball bearing, radial contact, pressed polyamide cage, shields on both sides, for high speed applications

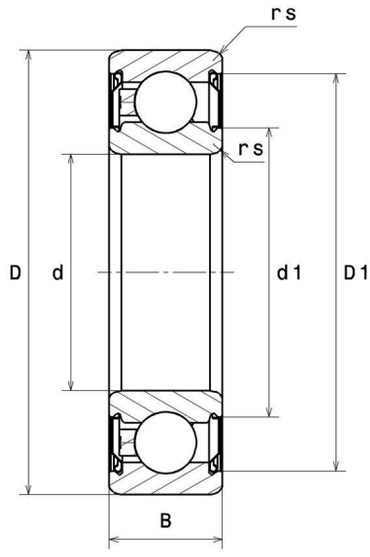
TOPLINE

VISUAL (S)



6006HVZZ

Single row deep groove ball bearings



PRODUCT DIMENSIONS	
Internal diameter d	30 mm
External diameter D	55 mm
Bearing/Inner ring width(B)	13 mm
External diameter inner ring d1	38,2 mm
Inner diameter outer ring D1	49,5 mm
Min fillet radius rs	1 mm
Radial clearance class	C3
Mass	0,116 kg
Brand	SNR

PRODUCT PERFORMANCE	
Dynamic load, C	13 kN
Static load, C0	8,3 kN
Fatigue limit load, Cu	0,38 kN
Coefficient f0	14.8
Reference thermal speed (Nref)	13000 tr/min
Mechanical Limit Speed Nlim	19000 tr/min
Min operating temperature, Tmin	-50 °C
Max operating temperature, Tmax	120 °C

6006HVZZ
Single row deep groove ball bearings

PRODUCT PERFORMANCE	
Characteristic cage frequency, FTF	0.416 Hz
Characteristic rolling element frequency, BSF	5.81 Hz
Characteristic outer ring frequency, BPF0	4.58 Hz
Characteristic inner ring frequency, BPFI	6.42 Hz

ABUTMENT	
Min shoulder diameter IR da min	35 mm
Max shoulder diameter IR da max	38,2 mm
Max shoulder diameter OR Da max	50 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