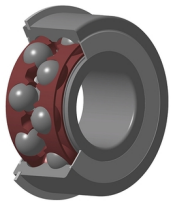
Technical datasheet

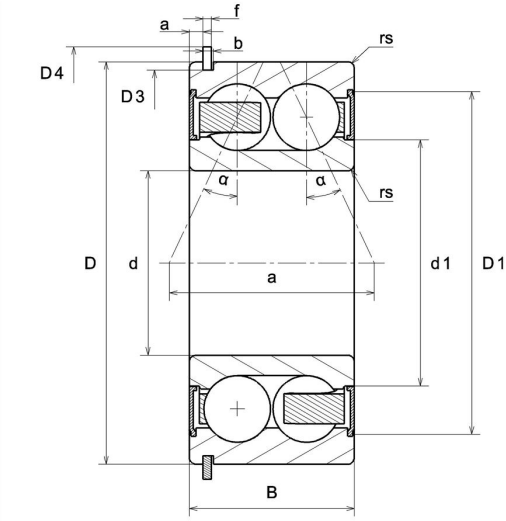
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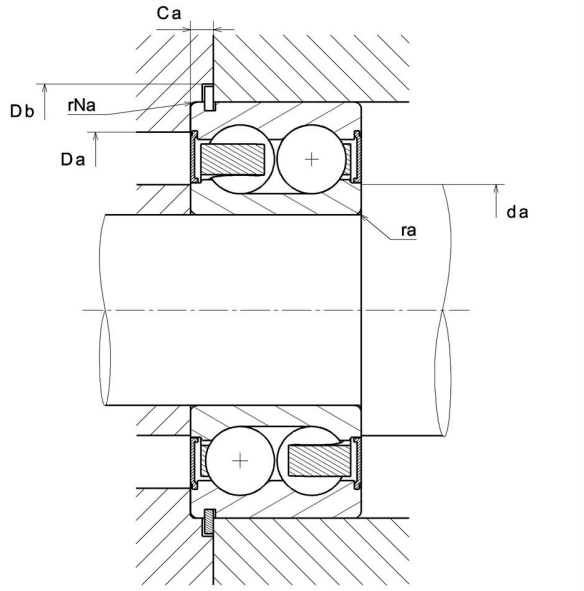
Double row angular contact ball bearings



Double row angular contact ball bearing, polyamide cage, snap ring and groove on outer diameter, shield on both sides

Visual(s)





Product definition

d	50 mm
D	90 mm
B	30.2 mm
d1	62 mm
D1	80.6 mm
a	45.5 mm
Contact angle α	25 °
a min	3.07 mm
a max	3.28 mm
rs min	1.1 mm
rNs min	0.6 mm
D3 max	86.79 mm
b min	2.7 mm
b max	3 mm
r0 max	0.6 mm
D4 max	96.5 mm
f	2.41 mm
Snap ring reference	R 90
Radial clearance class	CN
Precision class	P0
Mass	0.76 kg
Brand	SNR

Product performance

Dynamic load, C	48.5 kN
Static load, C0	42.2 kN
Fatigue limit load, Cu	2.55 kN
f0	14.9
Nref	5,900 rpm
Nlim	5,600 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.45 Hz
Characteristic outer ring frequency, BPF0	4.19 Hz
Characteristic inner ring frequency, BPFI	5.81 Hz

Abutment dimensions

da min	56.5 mm
da max	62 mm
Da max	83.5 mm
Ca min	5.43 mm
Ca max	5.74 mm
ra max	1 mm
rNa max	0.6 mm
Db min	97.9 mm