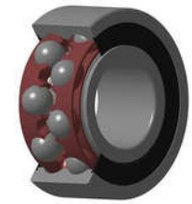
Brand of NTN corporation

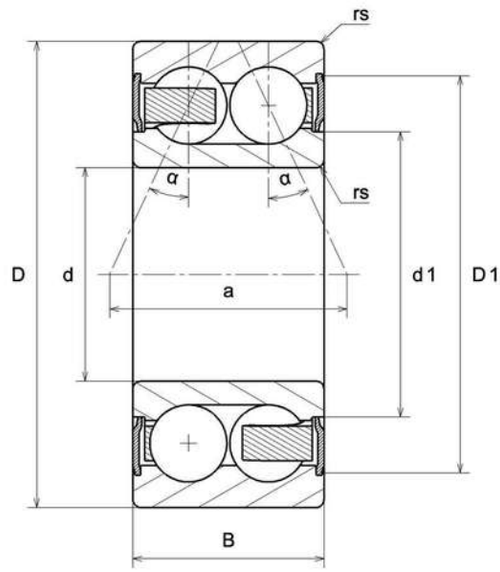
Technical data

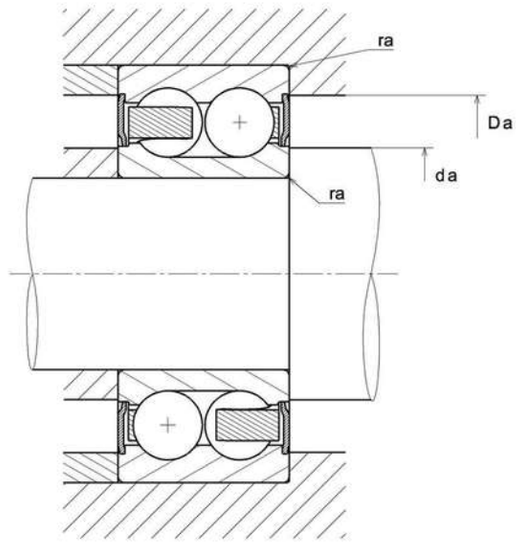
5203EEG15

Double row angular contact ball bearings



VISUAL (S)





5203EEG15
Double row angular contact ball bearings

PRODUCT DEFINITION	
Brand	SNR
d - Internal diameter	17 mm
D - External diameter	40 mm
B - Bearing/Inner ring width	17,5 mm
d1 - External diameter inner ring	24 mm
D1 - Inner diameter outer ring	34,9 mm
a - Charge load application point	20,4 mm
- Contact angle	25 °
rs - Min fillet radius	0,6 mm
Radial clearance class	CN
Precision class	P0
Mass	0,085 kg

PRODUCT PERFORMANCE	
C - Dynamic load	14,2 kN
C0 - Static load	9 kN
Cu - Fatigue limit load	0,59 kN
f0 - Coefficient	13.6
Nlim - Mechanical Limit Speed	12000 tr/min
Tmin - Min operating temperature	-20 °C
Tmax - Max operating temperature	120 °C

BEARING FREQUENCIES	
BPFO - Characteristic outer ring frequency (60 rpm)	3.142 Hz
BPFI - Characteristic inner ring frequency (60 rpm)	4.858 Hz

BEARING FREQUENCIES	
FTF - Characteristic cage frequency (60 rpm)	0.393 Hz
BSF - Characteristic rolling element frequency (60 rpm)	4.03 Hz

ABUTMENT	
da min - Min shoulder diameter IR	21 mm
da max - Max shoulder diameter IR	24 mm
Da max - Max shoulder diameter OR	36 mm
ra max - Max shaft & housing fillet radius	0,6 mm