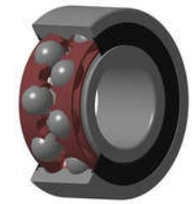
Brand of NTN corporation

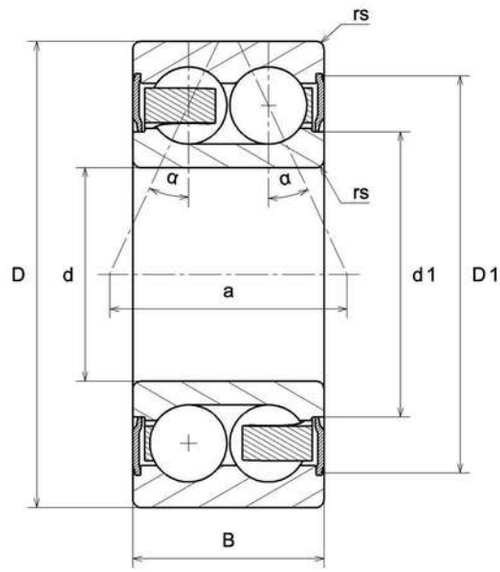
Technical data

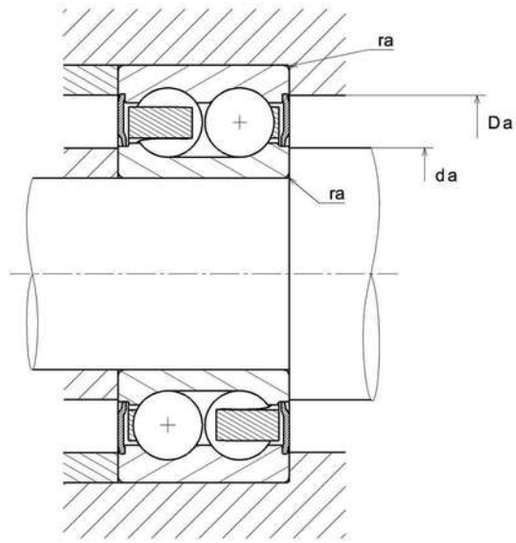
5209EEG15

Double row angular contact ball bearings



VISUAL (S)





5209EEG15
Double row angular contact ball bearings

PRODUCT DEFINITION	
Brand	SNR
d - Internal diameter	45 mm
D - External diameter	85 mm
B - Bearing/Inner ring width	30,2 mm
d1 - External diameter inner ring	57,2 mm
D1 - Inner diameter outer ring	75,4 mm
a - Charge load application point	43,2 mm
- Contact angle	25 °
rs - Min fillet radius	1,1 mm
Radial clearance class	CN
Precision class	P0
Mass	0,62 kg

PRODUCT PERFORMANCE	
C - Dynamic load	45,7 kN
C0 - Static load	37,2 kN
Cu - Fatigue limit load	2,27 kN
f0 - Coefficient	14.6
Nlim - Mechanical Limit Speed	5000 tr/min
Tmin - Min operating temperature	-20 °C
Tmax - Max operating temperature	120 °C

BEARING FREQUENCIES	
BPFO - Characteristic outer ring frequency (60 rpm)	3.716 Hz
BPFI - Characteristic inner ring frequency (60 rpm)	5.284 Hz

BEARING FREQUENCIES	
FTF - Characteristic cage frequency (60 rpm)	0.413 Hz
BSF - Characteristic rolling element frequency (60 rpm)	5.042 Hz

ABUTMENT	
da min - Min shoulder diameter IR	51,5 mm
da max - Max shoulder diameter IR	57,2 mm
Da max - Max shoulder diameter OR	78,5 mm
ra max - Max shaft & housing fillet radius	1 mm