

Technical data

5204S

Double row angular contact ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	20 mm
D - External diameter	47 mm
B - Bearing/Inner ring width	20,6 mm
a - Charge load application point	24,3 mm
- Contact angle	25 °
rs - Min fillet radius	1 mm
Radial clearance class	CN
Precision class	P0
Mass	0,156 kg

PRODUCT PERFORMANCE

C - Dynamic load	19,6 kN
C0 - Static load	12,4 kN
Cu - Fatigue limit load	0,75 kN
Nlim - Oil lubrication limit speed	13000 tr/min
Nlim - Grease lubrication limit speed	10000 tr/min
Tmin - Min operating temperature	-40 °C
Tmax - Max operating temperature	120 °C

BEARING FREQUENCIES

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BEARING FREQUENCIES

BPFO - Characteristic outer ring frequency	3.141 Hz
BPFI - Characteristic inner ring frequency	4.859 Hz
FTF - Characteristic cage frequency	0.393 Hz
BSF - Characteristic rolling element frequency	4.026 Hz

ABUTMENT

da min - Min shoulder diameter IR	26 mm
da max - Max shoulder diameter IR	0 mm
Da max - Max shoulder diameter OR	41 mm
ra max - Max shaft & housing fillet radius	1 mm