



Technical data

5310SNR

Double row angular contact ball bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	50 mm
D - External diameter	110 mm
B - Bearing/Inner ring width	44,4 mm
a - Charge load application point	55,6 mm
- Contact angle	25 °
a min - Min position Groove	3,07 mm
a max - Max position groove	3,28 mm
rs - Min fillet radius	2 mm
rNs - Min fillet radius	0,6 mm
D3 - Max bottom groove diameter	106,81 mm
b min - Min groove width	2,7 mm
b max - Max groove width	3 mm
r0 max - Max bottom groove radius	0,6 mm
D4 max - Max outer diameter of assembled stop ring	116,6 mm
f - Stop ring thickness	2,41 mm
Snap ring reference	R110
Radial clearance class	CN
Precision class	P0



NTN Europe

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S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

PRODUCT DEFINITION

Mass	1,81 kg
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PRODUCT PERFORMANCE

C - Dynamic load	81500000 mN
C0 - Static load	61500000 mN
Cu - Fatigue limit load	38000000 mN
N lim - Oil lubrication limit speed	33600 °/s
N lim - Grease lubrication limit speed	25800 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	60 mm
Da max - Max shoulder diameter OR	100 mm
Ca min - Mini segment position	5,43 mm
Ca max - Max segment position	5,74 mm
ra max - Max shaft & housing fillet radius	2 mm
rNa max - Max fillet radius on segment side	0,6 mm
Db min - Min stop ring position diameter	118 mm

