

Technical data

1309SK

Double-row self-aligning ball bearings



Self-aligning ball bearing, pressed steel cage, tapered bore, open

VISUAL (S)



1309SK

Double-row self-aligning ball bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	45 mm
D - External diameter	100 mm
B - Bearing/Inner ring width	25 mm
rs - Min fillet radius	1,5 mm
Associated sleeve reference	H309X
Radial clearance class	CN
Precision class	P0
Mass	0,971 kg

PRODUCT PERFORMANCE	
C - Dynamic load	38500000 mN
C0 - Static load	12700000 mN
Cu - Fatigue limit load	330000 mN
e - Coefficient	0.25
Y0 - Static axial load coefficient	2.7
Y1 - Lower axial load coefficient	2.6
Y2 - Upper axial load coefficient	4
N lim - Oil lubrication limit speed	45000 °/s
N lim - Grease lubrication limit speed	36000 °/s
Tmin - Min operating temperature	253,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT	
da min - Min shoulder diameter IR	53 mm



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
 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

1309SK

Double-row self-aligning ball bearings

ABUTMENT	
da max - Max shoulder diameter IR	61 mm
db - Min diameter for Sleeve	49 mm
Ce - Min length fro Sleeve	5 mm
Da max - Max shoulder diameter OR	92 mm
ra max - Max shaft & housing fillet radius	1,5 mm



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
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