

Technical data

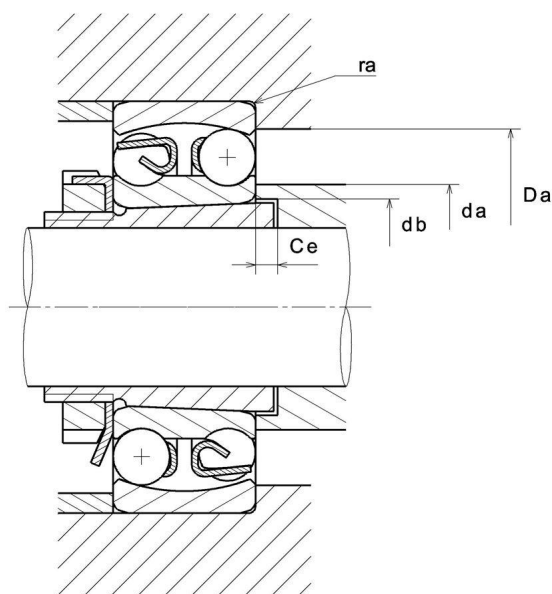
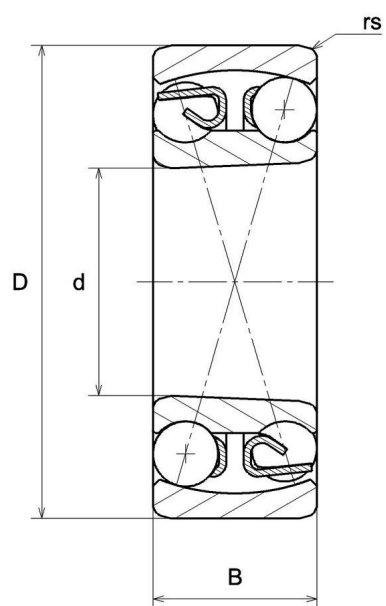
1209SK

Double-row self-aligning ball bearings



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

VISUAL (S)



1209SK

Double-row self-aligning ball bearings

PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	45 mm
D - External diameter	85 mm
B - Bearing/Inner ring width	19 mm
rs - Min fillet radius	1,1 mm
Associated sleeve reference	H209X
Radial clearance class	CN
Precision class	P0
Mass	0,47 kg

PRODUCT PERFORMANCE	
C - Dynamic load	22 kN
C0 - Static load	7,35 kN
Cu - Fatigue limit load	0,29 kN
e - Coefficient	0.21
Y0 - Static axial load coefficient	3.1
Y1 - Lower axial load coefficient	3
Y2 - Upper axial load coefficient	4.7
N lim - Oil lubrication limit speed	8500 tr/min
N lim - Grease lubrication limit speed	7100 tr/min
Tmin - Min operating temperature	-20 °C
Tmax - Max operating temperature	120 °C

ABUTMENT	
da min - Min shoulder diameter IR	51,5 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

1209SK

Double-row self-aligning ball bearings

ABUTMENT	
da max - Max shoulder diameter IR	57 mm
db - Min diameter for Sleeve	49 mm
Ce - Min length fro Sleeve	5 mm
Da max - Max shoulder diameter OR	78,5 mm
ra max - Max shaft & housing fillet radius	1 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