

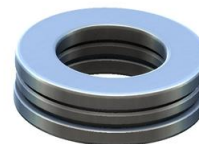


Brand of NTN corporation

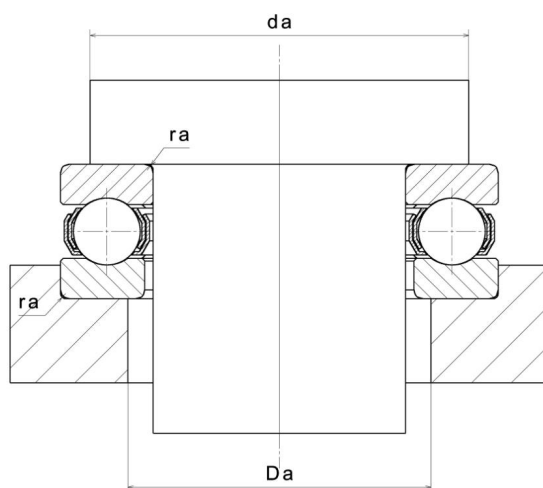
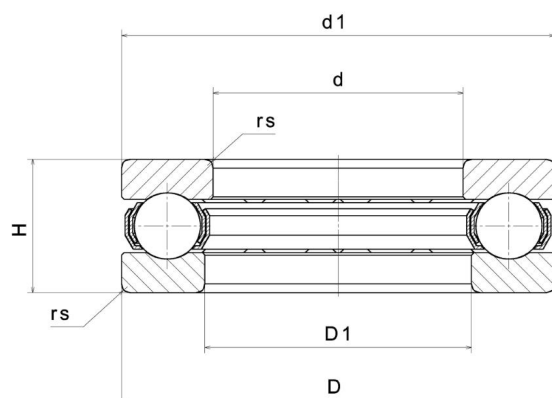
Technical data

51118

One direction thrust ball bearings



VISUAL (S)



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

PRODUCT DEFINITION

Brand	SNR
d - Internal diameter	90 mm
D - External diameter	120 mm
D1 - Inner diameter outer ring	92 mm
d1 - External diameter inner ring	120 mm
T - Thrust bearing height	22 mm
rs - Min fillet radius	1 mm
Mass	0,598 kg

PRODUCT PERFORMANCE

Ca - Dynamic axial load rating	59700000 mN
C0a - Static axial load rating	190000000 mN
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

BEARING FREQUENCIES

BPFO - Over rolling frequency on outer ring (60 rpm)	14.5 Hz
BPFI - Over rolling frequency on inner (60 rpm)	14.5 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	10.175 Hz
BRF - Rotational frequency - rolling element (60 rpm)	5.088 Hz
FTF - Rotational frequency - cage (60 rpm)	0.5 Hz

ABUTMENT

ra max - Max shaft & housing fillet radius	1 mm
Da max - Max shoulder diameter OR	102 mm
da min - Min shoulder diameter IR	108 mm



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