Brand of NTN corporation

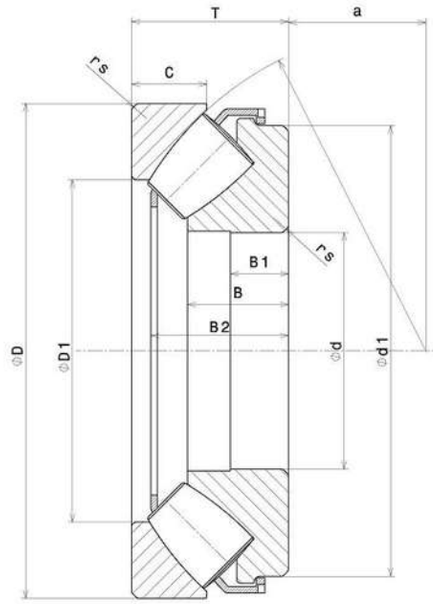
Technical data

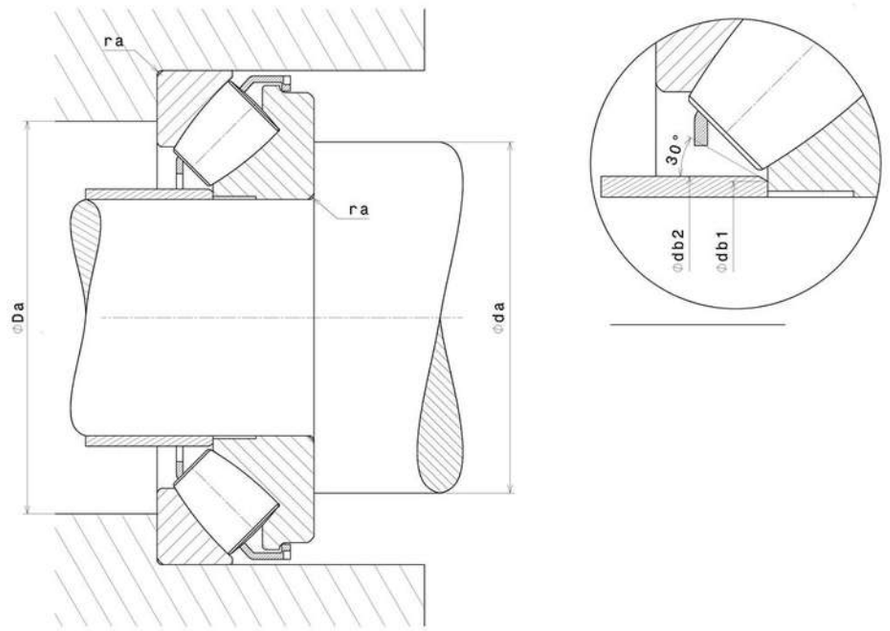
29330E

Thrust spherical roller 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

29330E
Thrust spherical roller bearings

PRODUCT DEFINITION	
Brand	SNR
d - Internal diameter of shaft washer	150 mm
D - Housing washer outer diameter	250 mm
D1 - Inner diameter housing washer	189,6 mm
d1 - External diameter shaft washer	222,5 mm
T - Thrust bearing height	60 mm
C - Housing washer width	28 mm
B - Shaft washer width	38 mm
B2 - Distance large face of shaft washer / metal cage	53,8 mm
a - Charge load application point	87 mm
Cage material	Tôle
Mass	10,9 kg

PRODUCT PERFORMANCE	
Ca - Dynamic axial load rating	878000000 mN
C0a - Static axial load rating	2950000000 mN
Cua - Limit axial load rating	292000000 mN
N lim - Oil lubrication limit speed	8400 °/s
N ref - Reference thermal speed	7800 °/s
N lim - Mechanical Limit Speed	14400 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	473,15 °K

BEARING FREQUENCIES	
BPFO - Over rolling frequency on outer ring (60 rpm)	9.591 Hz

BEARING FREQUENCIES	
BPFI - Over rolling frequency on inner (60 rpm)	11.409 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	7.285 Hz
BRF - Rotational frequency – rolling element (60 rpm)	3.643 Hz
FTF - Rotational frequency - cage (60 rpm)	0.457 Hz

ABUTMENT	
ras max - Max shaft & housing fillet radius	2 mm
rs - Min fillet radius	2,1 mm
Da max - Max shoulder diameter OR	219 mm
da min - Min shoulder diameter IR	195 mm
db1 - Maximum diameter of the shaft washer shoulder	158 mm
db2 - Max spacer diameter	163 mm