

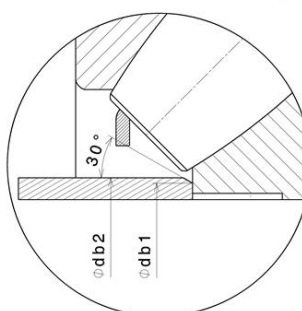
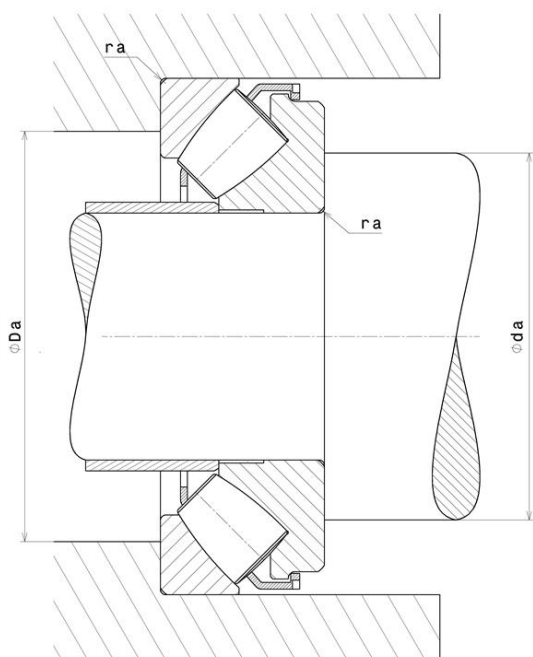
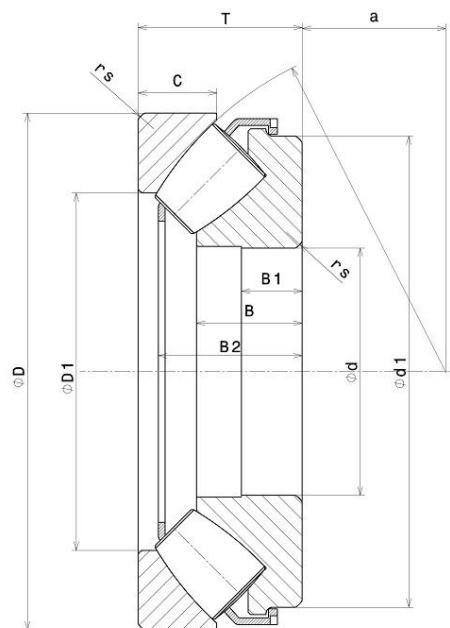
Technical data

29416E

Thrust spherical roller bearings



VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter of shaft washer	80 mm
D - Housing washer outer diameter	170 mm
D1 - Inner diameter housing washer	117 mm
d1 - External diameter shaft washer	150,8 mm
T - Thrust bearing height	54 mm
C - Housing washer width	24 mm
B - Shaft washer width	35 mm
B2 - Distance large face of shaft washer / metal cage	50 mm
a - Charge load application point	50 mm
Cage material	Tôle
Mass	5,68 kg

PRODUCT PERFORMANCE

Ca - Dynamic axial load rating	604000000 mN
C0a - Static axial load rating	1640000000 mN
Cua - Limit axial load rating	188000000 mN
N lim - Oil lubrication limit speed	12000 °/s
N ref - Reference thermal speed	12600 °/s
N lim - Mechanical Limit Speed	23400 °/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)	6.143 Hz
---	----------



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

BEARING FREQUENCIES

BPFI - Over rolling frequency on inner (60 rpm)	7.857 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	4.81 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.405 Hz
FTF - Rotational frequency - cage (60 rpm)	0.439 Hz

ABUTMENT

ras max - Max shaft & housing fillet radius	2 mm
rs - Min fillet radius	2,1 mm
Da max - Max shoulder diameter OR	141 mm
da min - Min shoulder diameter IR	120 mm
db1 - Maximum diameter of the shaft washer shoulder	88 mm
db2 - Max spacer diameter	88 mm

