

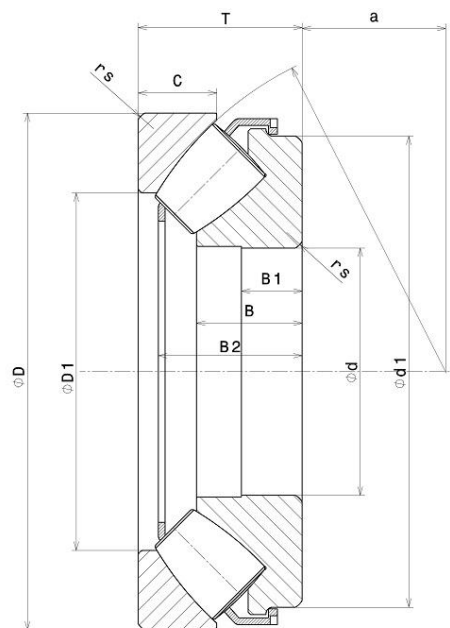
Technical data

29428E

Thrust spherical roller bearings



VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter of shaft washer	140 mm
D - Housing washer outer diameter	280 mm
D1 - Inner diameter housing washer	196,5 mm
d1 - External diameter shaft washer	254 mm
T - Thrust bearing height	85 mm
C - Housing washer width	41 mm
B - Shaft washer width	54 mm
B2 - Distance large face of shaft washer / metal cage	74 mm
a - Charge load application point	86 mm
Cage material	Tôle
Mass	23 kg

PRODUCT PERFORMANCE

Ca - Dynamic axial load rating	1420000000 mN
C0a - Static axial load rating	4500000000 mN
Cua - Limit axial load rating	4390000000 mN
N lim - Oil lubrication limit speed	7200 °/s
N ref - Reference thermal speed	7800 °/s
N lim - Mechanical Limit Speed	13200 °/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)	7.583 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)	9.417 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.656 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.828 Hz
FTF - Rotational frequency - cage (60 rpm)	0.446 Hz

ABUTMENT

ras max - Max shaft & housing fillet radius	3 mm
rs - Min fillet radius	4 mm
Da max - Max shoulder diameter OR	239 mm
da min - Min shoulder diameter IR	205 mm
db1 - Maximum diameter of the shaft washer shoulder	153 mm
db2 - Max spacer diameter	162 mm

