Brand of NTN corporation

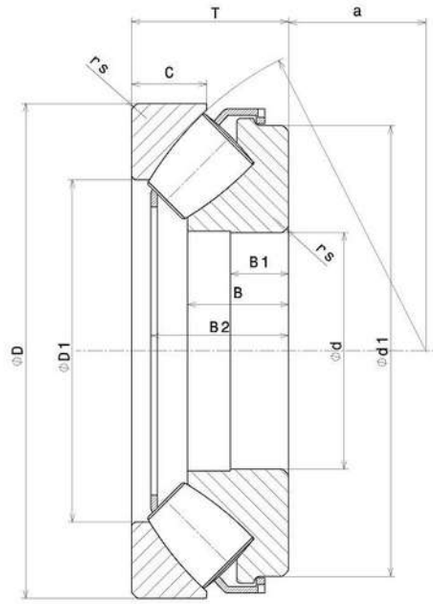
Technical data

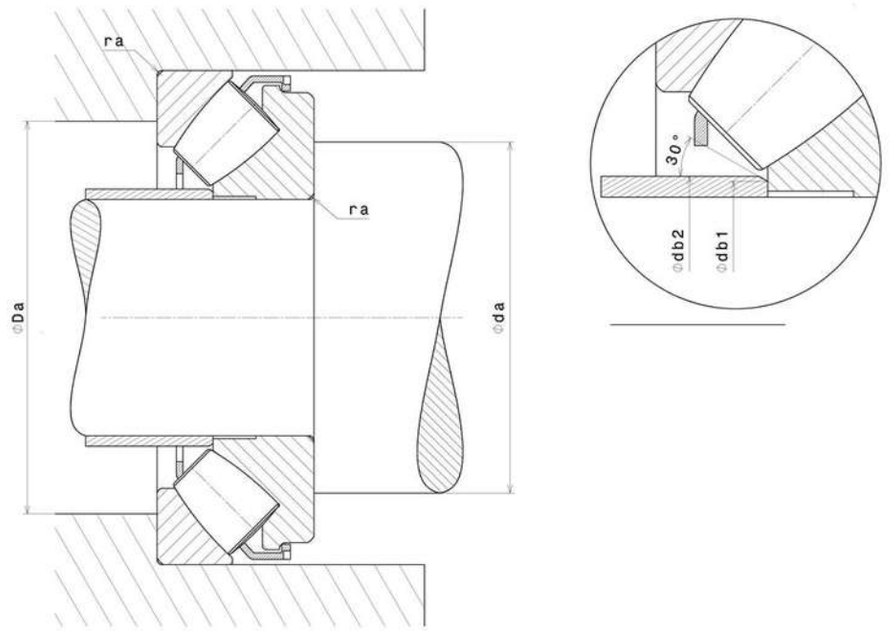
29415E

Thrust spherical roller bearings



VISUAL (S)





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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

29415E
Thrust spherical roller bearings

PRODUCT DEFINITION	
Brand	SNR
d - Internal diameter of shaft washer	75 mm
D - Housing washer outer diameter	160 mm
D1 - Inner diameter housing washer	109 mm
d1 - External diameter shaft washer	141,8 mm
T - Thrust bearing height	51 mm
C - Housing washer width	24 mm
B - Shaft washer width	33,5 mm
B2 - Distance large face of shaft washer / metal cage	47 mm
a - Charge load application point	47 mm
Cage material	Tôle
Mass	4,9 kg

PRODUCT PERFORMANCE	
Ca - Dynamic axial load rating	511000000 mN
C0a - Static axial load rating	1500000000 mN
Cua - Limit axial load rating	174000000 mN
N lim - Oil lubrication limit speed	12600 °/s
N ref - Reference thermal speed	13200 °/s
N lim - Mechanical Limit Speed	24600 °/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)	7.582 Hz

BEARING FREQUENCIES	
BPFI - Over rolling frequency on inner (60 rpm)	9.418 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	2 mm
rs - Min fillet radius	2 mm
Da max - Max shoulder diameter OR	134 mm
da min - Min shoulder diameter IR	115 mm
db1 - Maximum diameter of the shaft washer shoulder	82,5 mm
db2 - Max spacer diameter	82,5 mm