Brand of NTN corporation

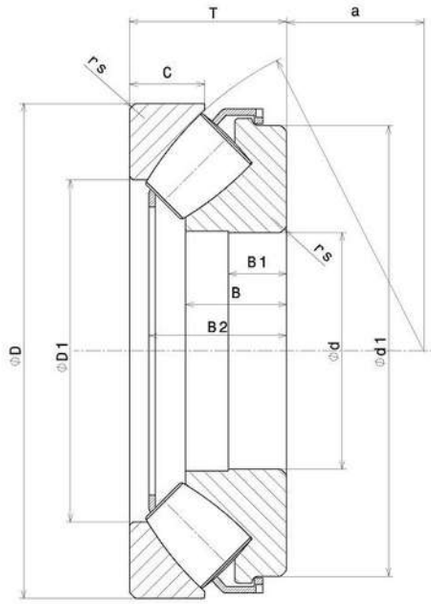


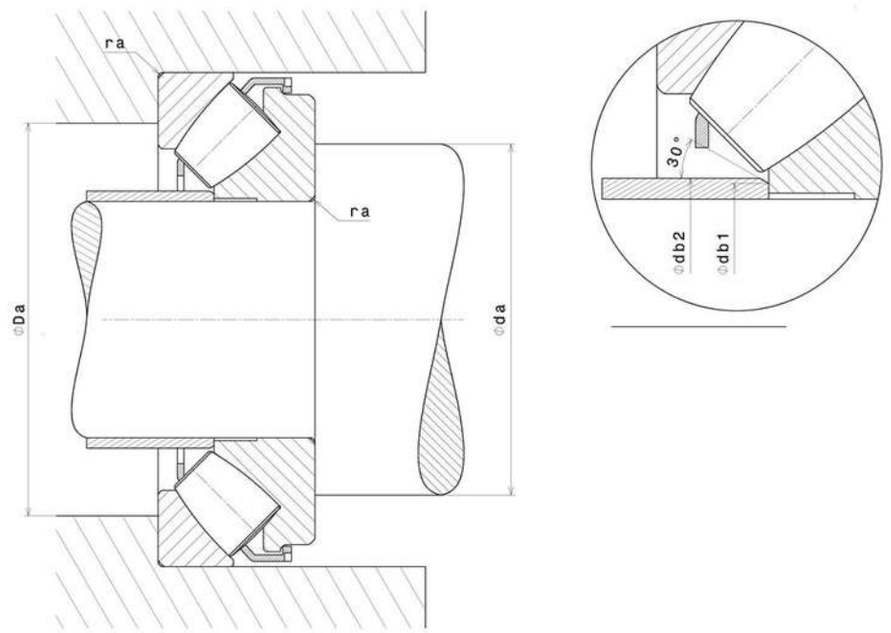
Technical data

29417E

Thrust spherical roller bearings

VISUAL (S)





29417E
Thrust spherical roller bearings

PRODUCT DEFINITION	
Brand	SNR
d - Internal diameter of shaft washer	85 mm
D - Housing washer outer diameter	180 mm
D1 - Inner diameter housing washer	123 mm
d1 - External diameter shaft washer	160,6 mm
T - Thrust bearing height	58 mm
C - Housing washer width	28 mm
B - Shaft washer width	37 mm
B2 - Distance large face of shaft washer / metal cage	50 mm
a - Charge load application point	54 mm
Cage material	Tôle
Mass	6,67 kg

PRODUCT PERFORMANCE	
Ca - Dynamic axial load rating	689000000 mN
C0a - Static axial load rating	1950000000 mN
Cua - Limit axial load rating	220000000 mN
N lim - Oil lubrication limit speed	11400 °/s
N ref - Reference thermal speed	12000 °/s
N lim - Mechanical Limit Speed	22200 °/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)	6.613 Hz

BEARING FREQUENCIES	
BPFI - Over rolling frequency on inner (60 rpm)	8.387 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.02 Hz
BRF - Rotational frequency – rolling element (60 rpm)	2.51 Hz
FTF - Rotational frequency - cage (60 rpm)	0.441 Hz

ABUTMENT	
ras max - Max shaft & housing fillet radius	2 mm
rs - Min fillet radius	2,1 mm
Da max - Max shoulder diameter OR	153 mm
da min - Min shoulder diameter IR	130 mm
db1 - Maximum diameter of the shaft washer shoulder	94 mm
db2 - Max spacer diameter	94 mm