

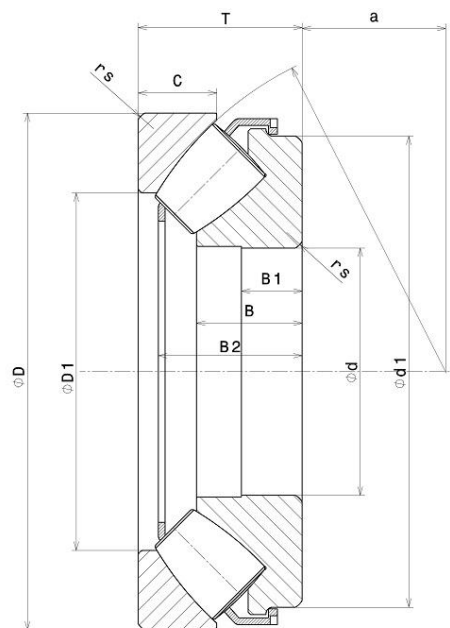
Technical data

29418E

Thrust spherical roller bearings



VISUAL (S)



PRODUCT DEFINITION

Brand	SNR
d - Internal diameter of shaft washer	90 mm
D - Housing washer outer diameter	190 mm
D1 - Inner diameter housing washer	130 mm
d1 - External diameter shaft washer	170,8 mm
T - Thrust bearing height	60 mm
C - Housing washer width	29 mm
B - Shaft washer width	39 mm
B2 - Distance large face of shaft washer / metal cage	53 mm
a - Charge load application point	56 mm
Cage material	Tôle
Mass	7,77 kg

PRODUCT PERFORMANCE

Ca - Dynamic axial load rating	709000000 mN
C0a - Static axial load rating	2100000000 mN
Cua - Limit axial load rating	231000000 mN
N lim - Oil lubrication limit speed	10200 °/s
N ref - Reference thermal speed	11400 °/s
N lim - Mechanical Limit Speed	20400 °/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)	7.119 Hz
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BEARING FREQUENCIES

BPFI - Over rolling frequency on inner (60 rpm)	8.881 Hz
BSF - Over rolling frequency on rolling element (60 rpm)	5.514 Hz
BRF - Rotational frequency - rolling element (60 rpm)	2.757 Hz
FTF - Rotational frequency - cage (60 rpm)	0.445 Hz

ABUTMENT

ras max - Max shaft & housing fillet radius	2 mm
rs - Min fillet radius	2,1 mm
Da max - Max shoulder diameter OR	161 mm
da min - Min shoulder diameter IR	135 mm
db1 - Maximum diameter of the shaft washer shoulder	99 mm
db2 - Max spacer diameter	99 mm

