



FAG

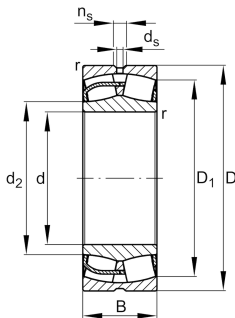
24056-BE-XL-T52BW-C5

Spherical Roller Bearing

Spherical roller bearing 240...-BE-XL,
symmetric with rib washer

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	Z	Cylindrical
Cage	JPB	Sheet metal cage
Radial internal clearance	C5 (Group 5)	Internal clearance larger than C4
Relubrication	Standard	

Main Dimensions & Performance Data

d	280 mm	Bore diameter
D	420 mm	Outside diameter
B	140 mm	Width
C _r	2.290.000 N	Basic dynamic load rating, radial
C _{0r}	3.950.000 N	Basic static load rating, radial
C _{ur}	370.000 N	Fatigue load limit, radial
n _G	1.420 1/min	Limiting speed
n _{gr}	800 1/min	Reference speed
≈m	66,1 kg	Masa

Mounting dimensions

d _{a min}	294,6 mm	Minimum diameter shaft shoulder
D _{a max}	405,4 mm	Maximum diameter of housing shoulder
r _{a max}	3 mm	Maximum recess radius



Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
D_1	370,5 mm	Bore diameter outer ring
d_2	310,3 mm	Raceway diameter of the inner ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

Calculation factors

e	0,3	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,23	Dynamic axial load factor
Y_2	3,32	Dynamic axial load factor
Y_0	2,18	Static axial load factor

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia
	Łożysko gabarytowe
	Nieosiowość statyczna
	Nieosiowość dynamiczna