

**FAG****241/710-B-K30-MB**

Spherical Roller Bearing

Spherical roller bearing 241...-B-K30-MB,
symmetric 3 ribs

Technical information

**Your current product variant**

Design	B	With fixed central rib
Bore type	K30	Tapered, taper 1:30
Cage	MB	Solid brass cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication facility	Standard	

Main Dimensions & Performance Data

d	710 mm	Bore diameter
D	1.150 mm	Outside diameter
B	438 mm	Width
C _r	15.600.000 N	Basic dynamic load rating, radial
C _{0r}	35.500.000 N	Basic static load rating, radial
C _{ur}	2.340.000 N	Fatigue load limit, radial
n _G	395 1/min	Limiting speed
n _{gr}	116 1/min	Reference speed
m	1.834 kg	Weight

Mounting dimensions

d _{a min}	750 mm	Minimum diameter shaft shoulder
D _{a max}	1.110 mm	Maximum diameter of housing shoulder
r _{a max}	8 mm	Maximum recess radius



Dimensions

r_{\min}	9,5 mm	Minimum chamfer dimension
D_1	980,2 mm	Bore diameter outer ring
d_s	12,5 mm	Diameter lubrication hole
n_s	23,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors










e	0,38	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,79	Dynamic axial load factor
Y_2	2,67	Dynamic axial load factor
Y_0	1,75	Static axial load factor

Additional information

AH241/710-H

Withdrawal sleeve

Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed
	Large bearing
	Static angular error and misalignment
	Dynamic angular error and misalignment