



FAG

24188-B-K30-C3

Spherical Roller Bearing

Schaeffler ID:
0190497490030Spherical roller bearing 241..-B-K30,
symmetric 1 central rib

Technical information

Main Dimensions & Performance Data

d	17,323 in	Bore diameter
D	28,346 in	Outside diameter
B	11,024 in	Width
C _r	1.438.848,921 lbf	Basic dynamic load rating, radial
C _{0r}	2.967.625,899 lbf	Basic static load rating, radial
C _{ur}	229.316,547 lbf	Fatigue load limit, radial
n _G	710 1/min	Limiting speed
n _{gr}	255 1/min	Reference speed
	960,112 lbs	Weight

Mounting dimensions

d _{a min}	18,346 in	Minimum diameter shaft shoulder
D _{a max}	27,323 in	Maximum diameter of housing shoulder
r _{a max}	0,197 in	Maximum recess radius

Dimensions

r _{min}	0,236 in	Minimum chamfer dimension
D ₁	24,11 in	Bore diameter outer ring
d _s	0,492 in	Diameter lubrication hole
n _s	0,925 in	Width of lubricating groove

Temperature range

T _{min}	-22 °F	Operating temperature min.
T _{max}	392 °F	Operating temperature max.

Calculation factors

e	0,38	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,76	Dynamic axial load factor
Y ₂	2,62	Dynamic axial load factor
Y ₀	1,72	Static axial load factor