

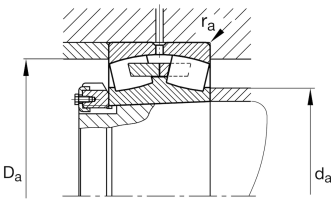
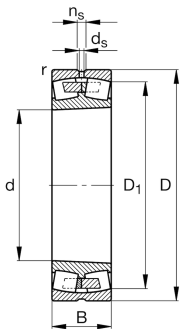
FAG

248/900-B-K30-MB [🔗](#)

Spherical Roller Bearing

Spherical roller bearing 248...-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 feature	Standard	

Main Dimensions & Performance Data

d	900 mm	Bore diameter
D	1.090 mm	Outside diameter
B	190 mm	Width
C _r	5.200.000 N	Basic dynamic load rating, radial
C _{0r}	16.700.000 N	Basic static load rating, radial
C _{ur}	990.000 N	Fatigue load limit, radial
n _G	465 1/min	Limiting speed
n _{gr}	124 1/min	Reference speed
m	367,3 kg	Weight

Mounting dimensions

d _{a min}	918 mm	Minimum diameter shaft shoulder
D _{a max}	1.072 mm	Maximum diameter of housing shoulder
r _{a max}	4 mm	Maximum recess radius



Dimensions

r _{min}	5 mm	Minimum chamfer dimension
D ₁	1.030,5 mm	Bore diameter outer ring
d _s	8 mm	Diameter lubrication hole
n _s	15 mm	Width of lubricating groove

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors

e	0,15	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	4,4	Dynamic axial load factor
Y ₂	6,56	Dynamic axial load factor
Y ₀	4,31	Static axial load factor