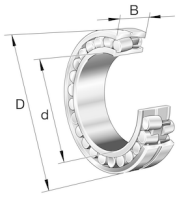


FAG

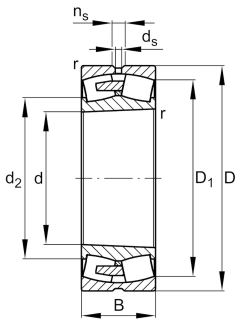
24192-BEA-XL-K30-MB1-C3

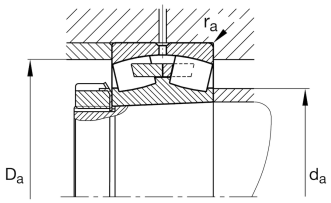
Spherical Roller Bearing

Spherical roller bearings 241..-BEA-K30, main dimensions to DIN 635-2, with tapered bore, taper 1:30

X-life

Technical information





Your current product variant

Design	BEA	With lose center lip ring
Bore type	K30	Tapered, taper 1:30
Cage	MB1	Solid brass cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	Standard	

Main Dimensions & Performance Data

d	460 mm	Bore diameter
D	760 mm	Outside diameter
B	300 mm	Width
C_r	8.500.000 N	Basic dynamic load rating, radial
C_{0r}	14.500.000 N	Basic static load rating, radial
C_{ur}	1.030.000 N	Fatigue load limit, radial
n_G	660 1/min	Limiting speed
$n_{\vartheta r}$	241 1/min	Reference speed
≈m	526 kg	Weight

Mounting dimensions

$d_{a\ min}$	492 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	728 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	6 mm	Maximum recess radius

Dimensions

r_{min}	7,5 mm	Minimum chamfer dimension
D_1	647,1 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 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

Additional information

	AH24192-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