



FAG

23288-BEA-XL-K-MB1-C4

Spherical Roller Bearing

Spherical roller bearing 232...-BEA-XL-K-MB1, symmetric 2 outer ribs with rib washer

X-life

Technical information



Your current product variant

Design	BEA	With lose center lip ring
Bore type	K	Tapered, taper 1:12
Cage	MB1	Solid brass cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication facility	Standard	

Main Dimensions & Performance Data

d	440 mm	Bore diameter
D	790 mm	Outside diameter
B	280 mm	Width
C _r	8.300.000 N	Basic dynamic load rating, radial
C _{0r}	13.200.000 N	Basic static load rating, radial
C _{ur}	880.000 N	Fatigue load limit, radial
n _G	730 1/min	Limiting speed
n _{gr}	320 1/min	Reference speed
m	582,7 kg	Weight



Mounting dimensions

$d_{a \min}$	472 mm	Minimum diameter shaft shoulder
$D_{a \max}$	758 mm	Maximum diameter of housing shoulder
$r_{a \max}$	6 mm	Maximum recess radius
$d_{a \max}$	516 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	469 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	17 mm	Minimum cavity width of the sleeve

Dimensions

r_{\min}	7,5 mm	Minimum chamfer dimension
D_1	670,7 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	0,35	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,91	Dynamic axial load factor
Y_2	2,85	Dynamic axial load factor
Y_0	1,87	Static axial load factor

Additional information

H3288-HG	Adapter sleeve
AHX3288G-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