

FAG

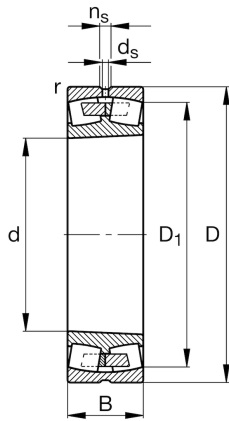
22315-E1A-XL-K-M

Spherical Roller Bearing

Schaeffler ID:
0190203250000Spherical roller bearing 223..-E1A-XL-K-M,
symmetric 2 outer ribs

X-life

Technical information



Main Dimensions & Performance Data

d	2,953 in	Bore diameter
D	6,299 in	Outside diameter
B	2,165 in	Width
C_r	100.044,964 lbf	Basic dynamic load rating, radial
C_{0r}	101.169,065 lbf	Basic static load rating, radial
C_{ur}	9.330,036 lbf	Fatigue load limit, radial
n_G	4.500 1/min	Limiting speed
n_{gr}	3.550 1/min	Reference speed
	11,281 lbs	Weight

Mounting dimensions

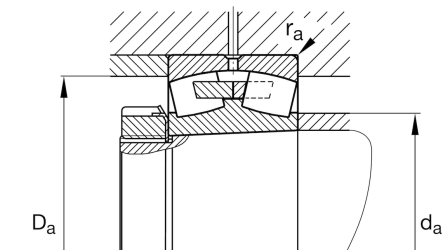
$d_{a \min}$	3,425 in	Minimum diameter shaft shoulder
$D_{a \max}$	5,827 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,083 in	Maximum recess radius
$d_{a \max}$	3,622 in	Maximum diameter of shaft shoulder
$d_{b \min}$	3,228 in	Minimum cavity diameter of the sleeve
$B_{a \min}$	0,197 in	Minimum cavity width of the sleeve

Dimensions

r_{\min}	0,083 in	Minimum chamfer dimension
D_1	5,366 in	Bore diameter outer ring
d_2	3,638 in	Raceway diameter of the inner ring
d_s	0,189 in	Diameter lubrication hole
n_s	0,374 in	Width of lubricating groove

Temperature range

T_{\min}	-22 °F	Operating temperature min.
T_{\max}	392 °F	Operating temperature max.



Calculation factors

e	0,34	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,99	Dynamic axial load factor
Y ₂	2,96	Dynamic axial load factor
Y ₀	1,94	Static axial load factor

Additional information

H2315	Adapter sleeve
AHX2315G	Withdrawal sleeve