

FAG

22320-E1A-XL-M

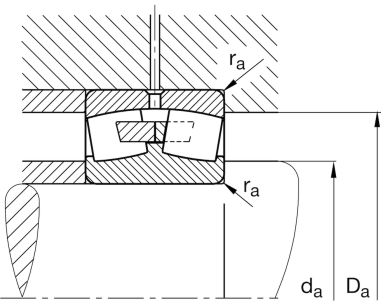
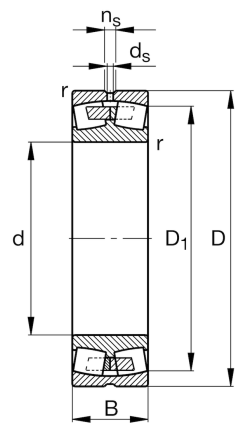
Spherical Roller Bearing

Schaeffler ID:  
0190212670000

Spherical roller bearing 223...-E1A-XL-M,  
symmetric 2 outer ribs

X-life

Technical information



Main Dimensions & Performance Data

d	3,937 in	Bore diameter
D	8,465 in	Outside diameter
B	2,874 in	Width
C <sub>r</sub>	182.104,317 lbf	Basic dynamic load rating, radial
C <sub>0r</sub>	206.834,532 lbf	Basic static load rating, radial
C <sub>ur</sub>	17.311,151 lbf	Fatigue load limit, radial
n <sub>G</sub>	3.300 1/min	Limiting speed
n <sub>gr</sub>	2.380 1/min	Reference speed
	28,7 lbs	Weight

Mounting dimensions

d <sub>a min</sub>	4,488 in	Minimum diameter shaft shoulder
D <sub>a max</sub>	7,913 in	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,098 in	Maximum recess radius

Dimensions

r <sub>min</sub>	0,118 in	Minimum chamfer dimension
D <sub>1</sub>	7,272 in	Bore diameter outer ring
d <sub>2</sub>	5,126 in	Raceway diameter of the inner ring
d <sub>s</sub>	0,248 in	Diameter lubrication hole
n <sub>s</sub>	0,48 in	Width of lubricating groove

Temperature range

T <sub>min</sub>	-22 °F	Operating temperature min.
T <sub>max</sub>	392 °F	Operating temperature max.

Calculation factors		
e	0,33	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	2,03	Dynamic axial load factor
Y <sub>2</sub>	3,02	Dynamic axial load factor
Y <sub>0</sub>	1,98	Static axial load factor