

FAG

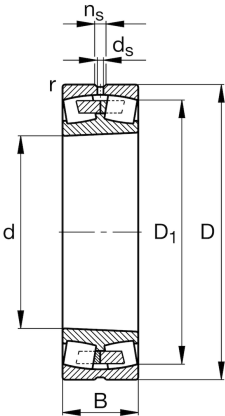
230/710-B-K-MB-C3

Spherical Roller Bearing

Schaeffler ID:  
0190244280030

Spherical roller bearing 230...-B-K-MB,  
symmetric 3 ribs

Technical information



Main Dimensions & Performance Data

d	27,953 in	Bore diameter
D	40,551 in	Outside diameter
B	9,291 in	Width
C <sub>r</sub>	1.708.633,094 lbf	Basic dynamic load rating, radial
C <sub>0r</sub>	3.799.460,432 lbf	Basic static load rating, radial
C <sub>ur</sub>	265.287,77 lbf	Fatigue load limit, radial
n <sub>G</sub>	590 1/min	Limiting speed
n <sub>gr</sub>	325 1/min	Reference speed
	1.421,98 lbs	Weight

Mounting dimensions

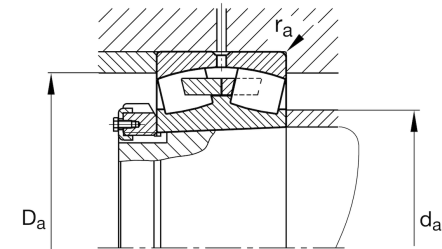
d <sub>a min</sub>	29,055 in	Minimum diameter shaft shoulder
D <sub>a max</sub>	39,449 in	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,236 in	Maximum recess radius
d <sub>a max</sub>	30,906 in	Maximum diameter of shaft shoulder
d <sub>b min</sub>	28,937 in	Minimum cavity diameter of the sleeve
B <sub>a min</sub>	0,906 in	Minimum cavity width of the sleeve

Dimensions

r <sub>min</sub>	0,295 in	Minimum chamfer dimension
D <sub>1</sub>	36,961 in	Bore diameter outer ring
d <sub>s</sub>	0,492 in	Diameter lubrication hole
n <sub>s</sub>	0,925 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	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	3,07	Dynamic axial load factor
Y <sub>2</sub>	4,57	Dynamic axial load factor
Y <sub>0</sub>	3	Static axial load factor
Additional information		
	H30/710-HG	Adapter sleeve
	AH30/710A-H	Withdrawal sleeve