

**FAG**

**23228-E1-XL-K-TVPB-C3**

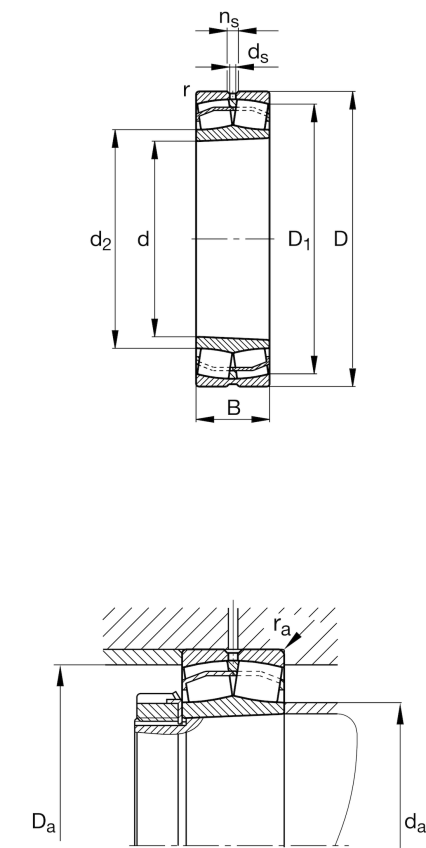
Spherical Roller Bearing

Schaeffler ID:  
0190360270030

Spherical roller bearings 232...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

**X-life**

Technical information



Main Dimensions & Performance Data

d	5,512 in	Bore diameter
D	9,843 in	Outside diameter
B	3,465 in	Width
C <sub>r</sub>	245.053,957 lbf	Basic dynamic load rating, radial
C <sub>0r</sub>	314.748,201 lbf	Basic static load rating, radial
C <sub>ur</sub>	26.079,137 lbf	Fatigue load limit, radial
n <sub>G</sub>	2.600 1/min	Limiting speed
n <sub>gr</sub>	1.550 1/min	Reference speed
	36,288 lbs	Weight

Mounting dimensions

d <sub>a min</sub>	6,063 in	Minimum diameter shaft shoulder
D <sub>a max</sub>	9,291 in	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,098 in	Maximum recess radius
B <sub>a min</sub>	0,866 in	Minimum cavity width of the sleeve
d <sub>a max</sub>	6,378 in	Maximum diameter of shaft shoulder
d <sub>b min</sub>	5,984 in	Minimum cavity diameter of the sleeve

Dimensions

r <sub>min</sub>	0,118 in	Minimum chamfer dimension
D <sub>1</sub>	8,504 in	Bore diameter outer ring
d <sub>2</sub>	6,378 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>	248 °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>	2,04	Dynamic axial load factor
Y <sub>2</sub>	3,04	Dynamic axial load factor
Y <sub>0</sub>	2	Static axial load factor
Additional information		
	H2328	Adapter sleeve
	AHX3228G	Withdrawal sleeve