

FAG

22232-E1-XL-C3

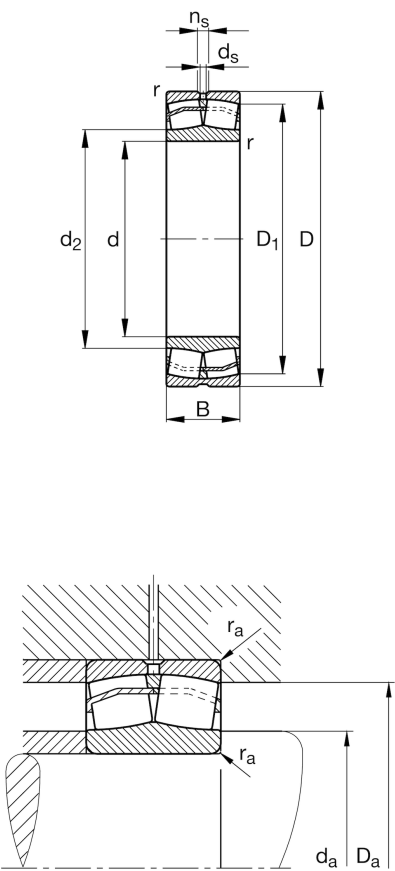
Spherical Roller Bearing

Schaeffler ID:
0190005530030

Spherical roller bearings 222...-E1, main dimensions to DIN 635-2

X-life

Technical information



Main Dimensions & Performance Data

d	6,299 in	Bore diameter
D	11,417 in	Outside diameter
B	3,15 in	Width
C _r	258.543,165 lbf	Basic dynamic load rating, radial
C _{0r}	314.748,201 lbf	Basic static load rating, radial
C _{ur}	29.001,799 lbf	Fatigue load limit, radial
n _G	2.650 1/min	Limiting speed
n _{gr}	1.900 1/min	Reference speed
	49,644 lbs	Weight

Mounting dimensions

d _{a min}	6,85 in	Minimum diameter shaft shoulder
D _{a max}	10,866 in	Maximum diameter of housing shoulder
r _{a max}	0,098 in	Maximum recess radius

Dimensions

r _{min}	0,118 in	Minimum chamfer dimension
D ₁	10,165 in	Bore diameter outer ring
d ₂	7,516 in	Raceway diameter of the inner ring
d _s	0,315 in	Diameter lubrication hole
n _s	0,591 in	Width of lubricating groove

Temperature range

T _{min}	-22 °F	Operating temperature min.
T _{max}	392 °F	Operating temperature max.

Calculation factors		
e	0,26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,64	Dynamic axial load factor
Y ₂	3,93	Dynamic axial load factor
Y ₀	2,58	Static axial load factor