

FAG

22228-E1-XL-C3

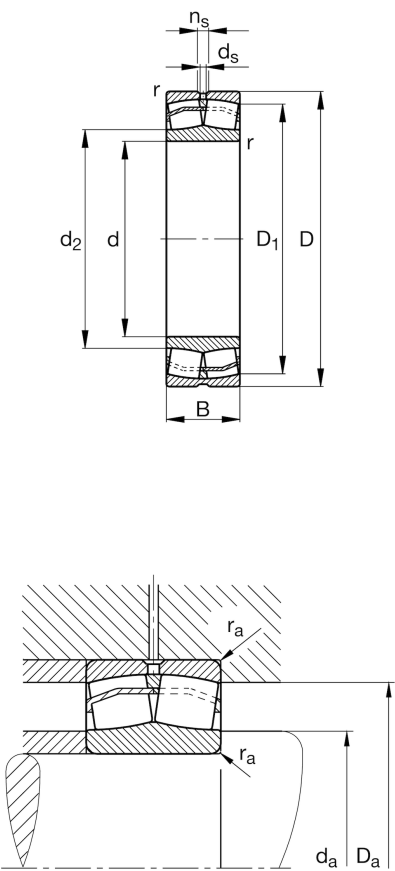
Spherical Roller Bearing

Schaeffler ID:
0190005290030

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

X-life

Technical information



Main Dimensions & Performance Data

d	5,512 in	Bore diameter
D	9,843 in	Outside diameter
B	2,677 in	Width
C _r	195.593,525 lbf	Basic dynamic load rating, radial
C _{0r}	233.812,95 lbf	Basic static load rating, radial
C _{ur}	22.482,014 lbf	Fatigue load limit, radial
n _G	3.150 1/min	Limiting speed
n _{gr}	2.250 1/min	Reference speed
	31,063 lbs	Weight

Mounting dimensions

d _{a min}	6,063 in	Minimum diameter shaft shoulder
D _{a max}	9,291 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	8,783 in	Bore diameter outer ring
d ₂	6,492 in	Raceway diameter of the inner ring
d _s	0,248 in	Diameter lubrication hole
n _s	0,48 in	Width of lubricating groove

Temperature range

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

Calculation factors		
e	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,67	Dynamic axial load factor
Y ₂	3,97	Dynamic axial load factor
Y ₀	2,61	Static axial load factor