

FAG

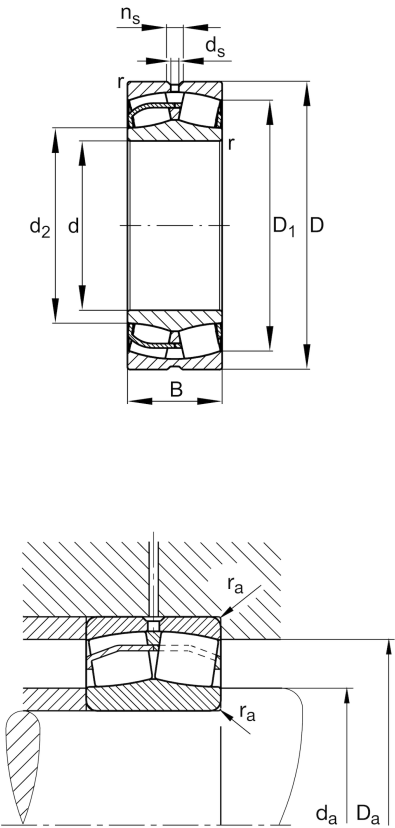
23044-BE-XL
Spherical Roller Bearing

Schaeffler ID:
0604179940000

Spherical roller bearings 230...-E1, main dimensions to DIN 635-2

X-life

Technical information



Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	340 mm	Outside diameter
B	90 mm	Width
C _r	1.260.000 N	Basic dynamic load rating, radial
C _{0r}	1.900.000 N	Basic static load rating, radial
C _{ur}	182.000 N	Fatigue load limit, radial
n _G	2.230 1/min	Limiting speed
n _{gr}	1.450 1/min	Reference speed
≈m	29,245 kg	Weight

Mounting dimensions

d _{a min}	232,4 mm	Minimum diameter shaft shoulder
D _{a max}	327,6 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum recess radius

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
D ₁	304,5 mm	Bore diameter outer ring
d ₂	248,8 mm	Raceway diameter of the inner ring
d _s	8 mm	Diameter lubrication hole
n _s	15 mm	Width of lubricating groove

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors		
e	0,24	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,81	Dynamic axial load factor
Y ₂	4,19	Dynamic axial load factor
Y ₀	2,75	Static axial load factor