



FAG

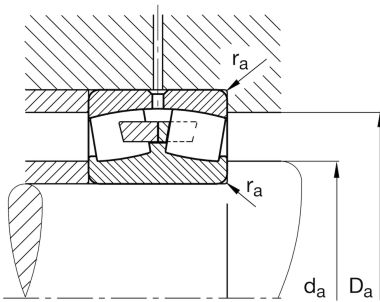
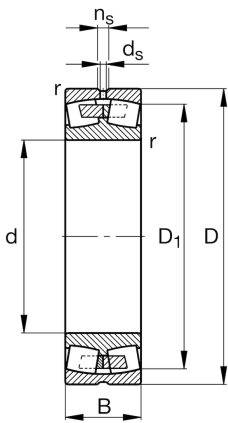
23220-E1A-XL-M-C3

Spherical Roller Bearing

Schaeffler ID:
0190015250030Spherical roller bearings 232...-E1A, main
dimensions to DIN 635-2

X-life

Technical information



Main Dimensions & Performance Data

d	3,937 in	Bore diameter
D	7,087 in	Outside diameter
B	2,374 in	Width
C_r	125.899,281 lbf	Basic dynamic load rating, radial
C_{0r}	148.381,295 lbf	Basic static load rating, radial
C_{ur}	13.714,029 lbf	Fatigue load limit, radial
n_G	3.750 1/min	Limiting speed
n_{gr}	2.410 1/min	Reference speed
	14,539 lbs	Weight

Mounting dimensions

$d_{a \min}$	4,409 in	Minimum diameter shaft shoulder
$D_{a \max}$	6,614 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,083 in	Maximum recess radius

Dimensions

r_{\min}	0,083 in	Minimum chamfer dimension
D_1	6,169 in	Bore diameter outer ring
d_s	0,189 in	Diameter lubrication hole
n_s	0,374 in	Width of lubricating groove

Temperature range

T_{\min}	-22 °F	Operating temperature min.
T_{\max}	392 °F	Operating temperature max.

Calculation factors

e	0,31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,15	Dynamic axial load factor
Y ₂	3,2	Dynamic axial load factor
Y ₀	2,1	Static axial load factor