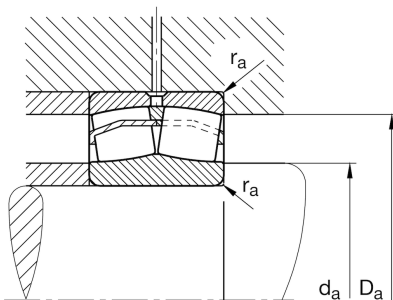
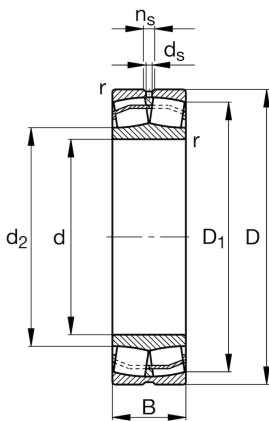
**22211-E1-XL-C4**

Spherical Roller Bearing

Schaeffler ID:
0167036180040Spherical roller bearings 222...-E1, main
dimensions to DIN 635-2

Technical information

**Main Dimensions & Performance Data**

d	2,165 in	Bore diameter
D	3,937 in	Outside diameter
B	0,984 in	Width
C_r	29.001,799 lbf	Basic dynamic load rating, radial
C_{0r}	29.226,619 lbf	Basic static load rating, radial
C_{ur}	3.979,317 lbf	Fatigue load limit, radial
n_G	9.000 1/min	Limiting speed
n_{gr}	4.650 1/min	Reference speed
	1,144 lbs	Weight

Mounting dimensions

$d_{a \min}$	2,52 in	Minimum diameter shaft shoulder
$D_{a \max}$	3,583 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,059 in	Maximum recess radius

Dimensions

r_{\min}	0,059 in	Minimum chamfer dimension
D_1	3,535 in	Bore diameter outer ring
d_2	2,661 in	Raceway diameter of the inner ring
d_s	0,126 in	Diameter lubrication hole
n_s	0,189 in	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,21	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,17	Dynamic axial load factor
Y ₂	4,72	Dynamic axial load factor
Y ₀	3,1	Static axial load factor