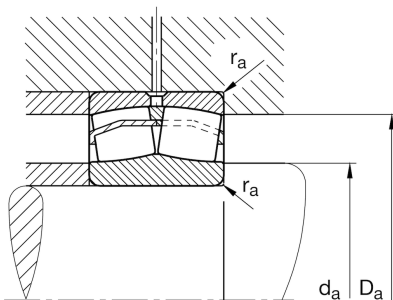
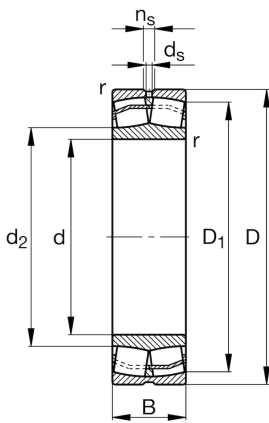
**22211-E1-XL-C3**

## Spherical Roller Bearing

Schaeffler ID:  
0167036180030Spherical 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
	1,847 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 <sub>1</sub>	3,17	Dynamic axial load factor
Y <sub>2</sub>	4,72	Dynamic axial load factor
Y <sub>0</sub>	3,1	Static axial load factor