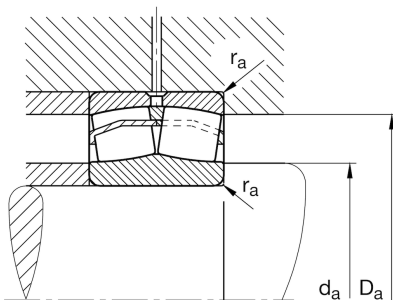
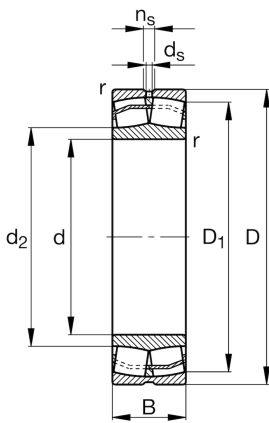


**22316-E1-XL-C3**

Spherical Roller Bearing

Schaeffler ID:
0167055990030Spherical roller bearings 223...-E1, main
dimensions to DIN 635-2

Technical information

**Main Dimensions & Performance Data**

d	3,15 in	Bore diameter
D	6,693 in	Outside diameter
B	2,283 in	Width
C_r	111.285,971 lbf	Basic dynamic load rating, radial
C_{0r}	114.658,273 lbf	Basic static load rating, radial
C_{ur}	10.454,137 lbf	Fatigue load limit, radial
n_G	4.250 1/min	Limiting speed
n_{gr}	3.400 1/min	Reference speed
	13,805 lbs	Weight

Mounting dimensions

$d_{a \min}$	3,622 in	Minimum diameter shaft shoulder
$D_{a \max}$	6,22 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	5,713 in	Bore diameter outer ring
d_2	3,87 in	Raceway diameter of the inner 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	0,34	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,99	Dynamic axial load factor
Y ₂	2,96	Dynamic axial load factor
Y ₀	1,94	Static axial load factor