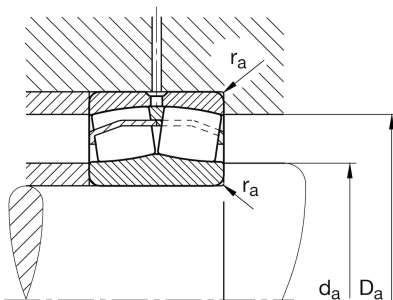
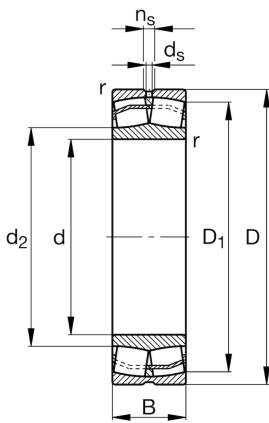
**22324-E1-XL-C3**

Spherical Roller Bearing

Schaeffler ID:
0190008630030Spherical roller bearings 223...-E1, main
dimensions to DIN 635-2

Technical information

**Main Dimensions & Performance Data**

d	4,724 in	Bore diameter
D	10,236 in	Outside diameter
B	3,386 in	Width
C_r	242.805,755 lbf	Basic dynamic load rating, radial
C_{0r}	263.039,568 lbf	Basic static load rating, radial
C_{ur}	23.606,115 lbf	Fatigue load limit, radial
n_G	2.850 1/min	Limiting speed
n_{gr}	2.000 1/min	Reference speed
	48,799 lbs	Weight

Mounting dimensions

$d_{a \min}$	5,276 in	Minimum diameter shaft shoulder
$D_{a \max}$	9,685 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,098 in	Maximum recess radius

Dimensions

r_{\min}	0,118 in	Minimum chamfer dimension
D_1	8,756 in	Bore diameter outer ring
d_2	5,937 in	Raceway diameter of the inner ring
d_s	0,315 in	Diameter lubrication hole
n_s	0,591 in	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,33	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,06	Dynamic axial load factor
Y ₂	3,06	Dynamic axial load factor
Y ₀	2,01	Static axial load factor