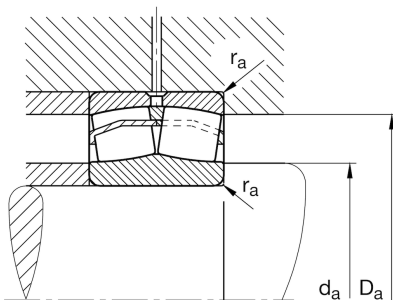
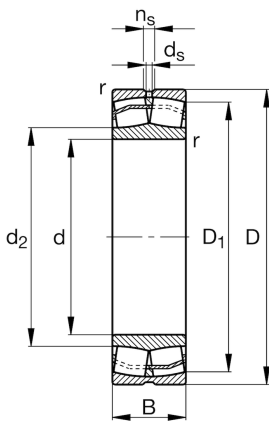
**22319-E1-XL-C4**

Spherical Roller Bearing

Schaeffler ID:
0190008040040Spherical roller bearings 223...-E1, main
dimensions to DIN 635-2

Technical information

**Main Dimensions & Performance Data**

d	3,74 in	Bore diameter
D	7,874 in	Outside diameter
B	2,638 in	Width
C_r	150.629,496 lbf	Basic dynamic load rating, radial
C_{0r}	157.374,101 lbf	Basic static load rating, radial
C_{ur}	13.714,029 lbf	Fatigue load limit, radial
n_G	3.700 1/min	Limiting speed
n_{gr}	2.800 1/min	Reference speed
	21,744 lbs	Weight

Mounting dimensions

$d_{a \min}$	4,291 in	Minimum diameter shaft shoulder
$D_{a \max}$	7,323 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	6,74 in	Bore diameter outer ring
d_2	4,567 in	Raceway diameter of the inner ring
d_s	0,248 in	Diameter lubrication hole
n_s	0,48 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	2,03	Dynamic axial load factor
Y ₂	3,02	Dynamic axial load factor
Y ₀	1,98	Static axial load factor