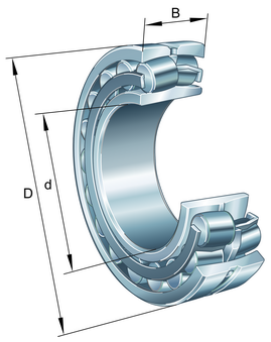
SCHAEFFLER



FAG

X-life

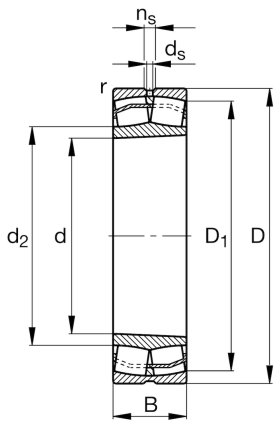
22224-E1-XL-K-C3

Spherical Roller Bearing

Schaeffler ID:
0167044360030

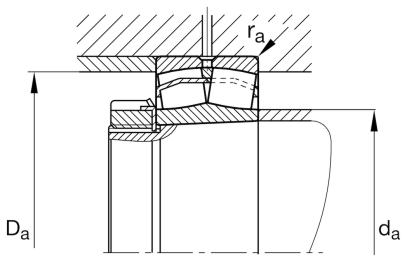
Spherical roller bearings 222..-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

Technical information



Main Dimensions & Performance Data

d	4,724 in	Bore diameter
D	8,465 in	Outside diameter
B	2,283 in	Width
C_r	143.884,892 lbf	Basic dynamic load rating, radial
C_{0r}	166.366,906 lbf	Basic static load rating, radial
C_{ur}	15.737,41 lbf	Fatigue load limit, radial
n_G	3.650 1/min	Limiting speed
$n_{\vartheta r}$	2.700 1/min	Reference speed
	19,07 lbs	${Weight}



Mounting dimensions

$d_{a\ min}$	5,197 in	Minimum diameter shaft shoulder
$d_{a\ max}$	5,551 in	Maximum diameter of shaft shoulder
$D_{a\ max}$	7,992 in	Maximum diameter of housing shoulder
$r_{a\ max}$	0,083 in	Maximum recess radius
$d_{b\ min}$	5,039 in	Minimum cavity diameter of the sleeve
$B_{a\ min}$	0,433 in	Minimum cavity width of the sleeve

Dimensions

r_{min}	0,083 in	Minimum chamfer dimension
D_1	7,559 in	Bore diameter outer ring
d_2	5,587 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	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,71	Dynamic axial load factor
Y_2	4,04	Dynamic axial load factor
Y_0	2,65	Static axial load factor

Additional information

	H3124	Adapter sleeve
	AHX3124	Withdrawal sleeve