FAG

21322-E1-XL-K-TVPB

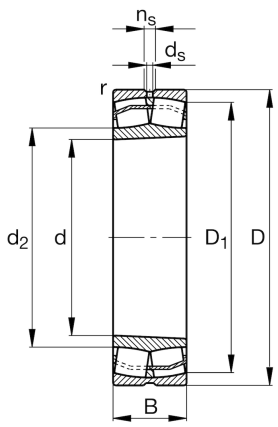
Spherical roller bearing

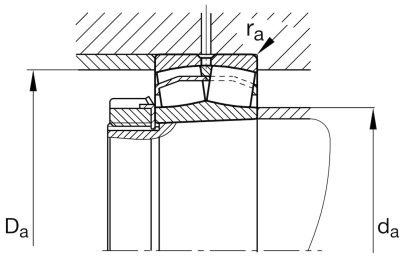
Schaeffler ID:
0190149960000

Spherical roller bearings 213..-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Technical information





Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.
	10,664 kg	Weight

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	240 mm	Outside diameter
B	50 mm	Width
C_r	600.000 N	Basic dynamic load rating, radial
C_{0r}	640.000 N	Basic static load rating, radial
C_{ur}	70.000 N	Fatigue load limit, radial
n_G	4.000 1/min	Limiting speed
$n_{\vartheta r}$	2.700 1/min	Reference speed

Dimensions

r_{min}	3 mm	Minimum chamfer dimension
D_1	202,5 mm	Bore diameter outer ring
d_2	146,4 mm	Raceway diameter of the inner ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Mounting dimensions

$d_{a\,min}$	124 mm	Minimum diameter shaft shoulder
$D_{a\,max}$	226 mm	Maximum diameter of housing shoulder
$r_{a\,max}$	2,5 mm	Maximum recess radius
$B_{a\,min}$	9 mm	Minimum cavity width of the sleeve
$d_{a\,max}$	146 mm	Maximum diameter of shaft shoulder
$d_{b\,min}$	118 mm	Minimum cavity diameter of the sleeve

Additional information

	H322	Adapter sleeve
e	0,21	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	3,24	Dynamic axial load factor
	AHX322	Withdrawal sleeve
Y_2	4,82	Dynamic axial load factor
Y_0	3,16	Static axial load factor