

FAG

★ 22232-E1-XL-K

Spherical roller bearing

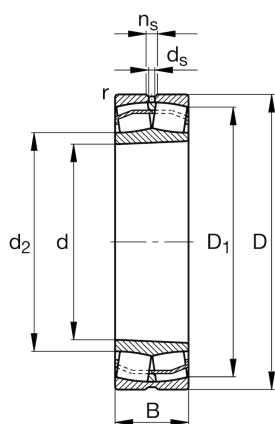
Schaeffler ID:
0190062170000

★ Preferred product

X-life

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

Technical information



Main Dimensions & Performance Data

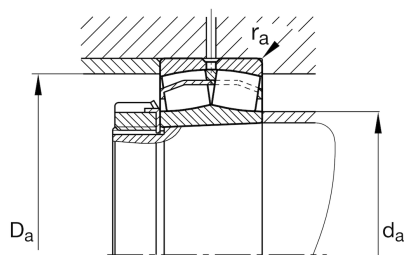
d	160 mm	Bore diameter
D	290 mm	Outside diameter
B	80 mm	Width
C_r	1.150.000 N	Basic dynamic load rating, radial
C_{0r}	1.400.000 N	Basic static load rating, radial
C_{ur}	129.000 N	Fatigue load limit, radial
n_G	2.650 1/min	Limiting speed
n_{gr}	1.900 1/min	Reference speed
	22,285 kg	Weight

Additional information

r_{min}	3 mm	Minimum chamfer dimension
	H3132	Adapter sleeve
D_1	258,2 mm	Bore diameter outer ring
	AH3132A	Withdrawal sleeve
d_2	190,9 mm	Raceway diameter of the inner ring
d_s	8 mm	Diameter lubrication hole
n_s	15 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	174 mm	Minimum diameter shaft shoulder
$d_{a max}$	190 mm	Maximum diameter of shaft shoulder
$D_{a max}$	276 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,5 mm	Maximum recess radius
$d_{b min}$	170 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	14 mm	Minimum cavity width of the sleeve



Calculation factors

e	0,26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,64	Dynamic axial load factor
Y ₂	3,93	Dynamic axial load factor
Y ₀	2,58	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.