

FAG

**22234-E1-XL-K**

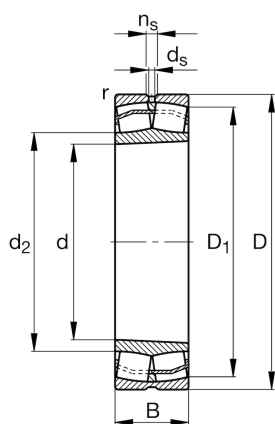
Spherical roller bearing

Schaeffler ID:  
0190183120000

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

X-life

## Technical information



## Main Dimensions &amp; Performance Data

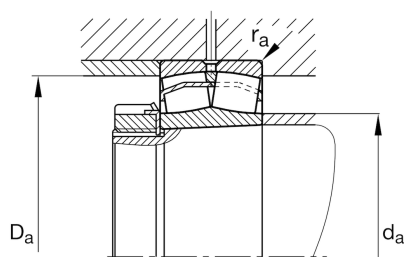
d	170 mm	Bore diameter
D	310 mm	Outside diameter
B	86 mm	Width
$C_r$	1.320.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.570.000 N	Basic static load rating, radial
$C_{ur}$	144.000 N	Fatigue load limit, radial
$n_G$	2.550 1/min	Limiting speed
$n_{gr}$	1.780 1/min	Reference speed
	26,856 kg	Weight

## Dimensions

$r_{min}$	4 mm	Minimum chamfer dimension
$D_1$	275,4 mm	Bore diameter outer ring
$d_2$	199,8 mm	Raceway diameter of the inner ring
$d_s$	9,5 mm	Diameter lubrication hole
$n_s$	17,7 mm	Width of lubricating groove

## Mounting dimensions

$d_{a min}$	187 mm	Minimum diameter shaft shoulder
$d_{a max}$	199 mm	Maximum diameter of shaft shoulder
$D_{a max}$	293 mm	Maximum diameter of housing shoulder
$r_{a max}$	3 mm	Maximum recess radius
$d_{b min}$	180 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	10 mm	Minimum cavity width of the sleeve



### Additional information

e	0,26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3134	Adapter sleeve
Y <sub>1</sub>	2,6	Dynamic axial load factor
	AH3134A	Withdrawal sleeve
Y <sub>2</sub>	3,87	Dynamic axial load factor
Y <sub>0</sub>	2,54	Static axial load factor

### Temperature range

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.