

FAG

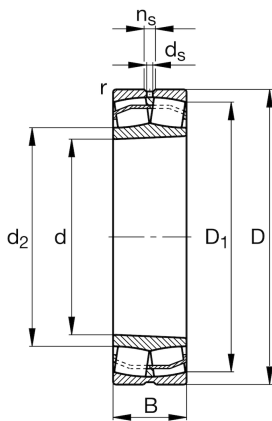
**22330-E1-XL-K-T41A**

Spherical roller bearing

Schaeffler ID:  
0190226380000Spherical roller bearings 223...E1-K-T41A,  
For oscillating load with restricted diameter  
tolerances, with tapered bore

X-life

## Technical information



## Main Dimensions &amp; Performance Data

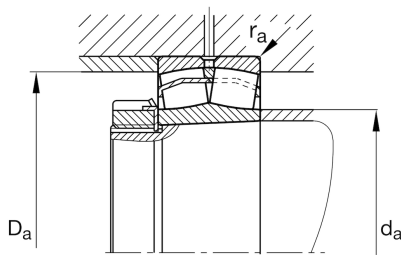
d	150 mm	Bore diameter
D	320 mm	Outside diameter
B	108 mm	Width
$C_r$	1.640.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.850.000 N	Basic static load rating, radial
$C_{ur}$	151.000 N	Fatigue load limit, radial
$n_G$	2.290 1/min	Limiting speed
$n_{gr}$	1.520 1/min	Reference speed
	40,422 kg	Weight

## Additional information

$r_{min}$	4 mm	Minimum chamfer dimension
	H2330	Adapter sleeve
$D_1$	273,2 mm	Bore diameter outer ring
	AHX2330G	Withdrawal sleeve
$d_2$	185,3 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

$d_{a min}$	167 mm	Minimum diameter shaft shoulder
$d_{a max}$	185 mm	Maximum diameter of shaft shoulder
$D_{a max}$	303 mm	Maximum diameter of housing shoulder
$r_{a max}$	3 mm	Maximum recess radius
$d_{b min}$	163 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	8 mm	Minimum cavity width of the sleeve



**Calculation factors**

e	0,33	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	2,02	Dynamic axial load factor
Y <sub>2</sub>	3	Dynamic axial load factor
Y <sub>0</sub>	1,97	Static axial load factor

**Temperature range**

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