

FAG

## ★ 23130-E1-XL-K-TVPB

Spherical roller bearing

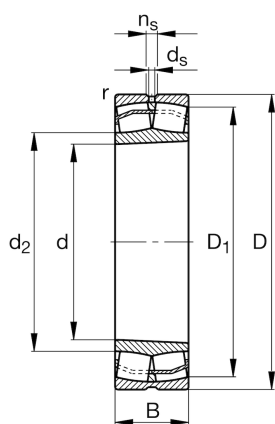
Schaeffler ID:  
0190066750000

Spherical roller bearings 231...E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

★ Preferred product

X-life

## Technical information



## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.
	14,35 kg	Weight

## Main Dimensions &amp; Performance Data

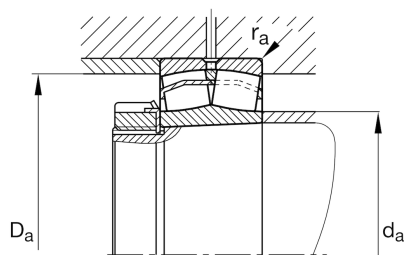
d	150 mm	Bore diameter
D	250 mm	Outside diameter
B	80 mm	Width
$C_r$	1.000.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.330.000 N	Basic static load rating, radial
$C_{ur}$	145.000 N	Fatigue load limit, radial
$n_G$	2.650 1/min	Limiting speed
$n_{gr}$	1.720 1/min	Reference speed

## Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$D_1$	220,8 mm	Bore diameter outer ring
$d_2$	170,1 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

$d_{a\min}$	162 mm	Minimum diameter shaft shoulder
$D_{a\max}$	238 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2,1 mm	Maximum recess radius
$B_{a\min}$	8 mm	Minimum cavity width of the sleeve
$d_{a\max}$	170 mm	Maximum diameter of shaft shoulder
$d_{b\min}$	160 mm	Minimum cavity diameter of the sleeve



**Additional information**

	H3130	Adapter sleeve
e	0,29	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	2,32	Dynamic axial load factor
	AHX3130G	Withdrawal sleeve
Y <sub>2</sub>	3,45	Dynamic axial load factor
Y <sub>0</sub>	2,26	Static axial load factor