

FAG

## ★ 23034-E1-XL-K-TVPB

Spherical roller bearing

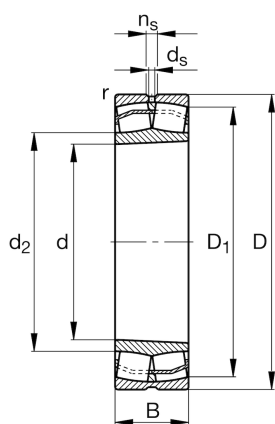
Schaeffler ID:  
0190065510000

Spherical roller bearings 230...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.
	11,9 kg	Weight

## Main Dimensions &amp; Performance Data

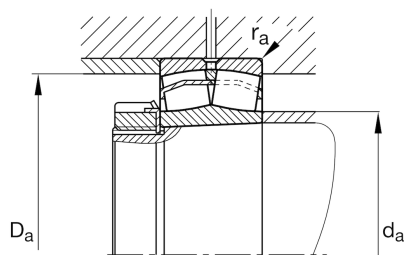
d	170 mm	Bore diameter
D	260 mm	Outside diameter
B	67 mm	Width
$C_r$	880.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.230.000 N	Basic static load rating, radial
$C_{ur}$	151.000 N	Fatigue load limit, radial
$n_G$	2.800 1/min	Limiting speed
$n_{gr}$	1.890 1/min	Reference speed

## Dimensions

$r_{min}$	2,1 mm	Minimum chamfer dimension
$D_1$	237,2 mm	Bore diameter outer ring
$d_2$	189,8 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

$d_{a min}$	180,2 mm	Minimum diameter shaft shoulder
$D_{a max}$	249,8 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
$d_{a max}$	189 mm	Maximum diameter of shaft shoulder
$d_{b min}$	179 mm	Minimum cavity diameter of the sleeve



**Additional information**

	H3034	Adapter sleeve
e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	2,98	Dynamic axial load factor
	AH3034	Withdrawal sleeve
Y <sub>2</sub>	4,44	Dynamic axial load factor
Y <sub>0</sub>	2,92	Static axial load factor