

FAG

## ★ 23238-BE-XL-K

Spherical roller bearing

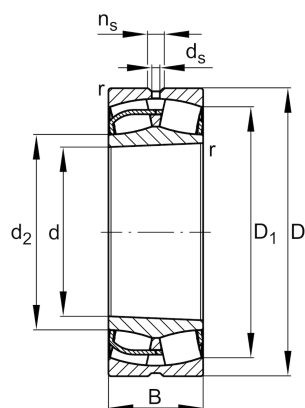
Schaeffler ID:  
0651440820000

★ Preferred product

X-life

Spherical roller bearings 232...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

## Technical information



## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
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$T_{\max}$	200 °C	Operating temperature max.
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	44,81 kg	Weight
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## Main Dimensions &amp; Performance Data

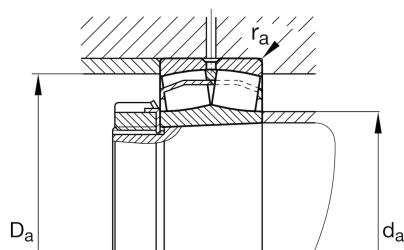
d	190 mm	Bore diameter
D	340 mm	Outside diameter
B	120 mm	Width
$C_r$	1.740.000 N	Basic dynamic load rating, radial
$C_{0r}$	2.400.000 N	Basic static load rating, radial
$C_{ur}$	206.000 N	Fatigue load limit, radial
$n_G$	1.990 1/min	Limiting speed
$n_{gr}$	1.070 1/min	Reference speed

## Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
$D_1$	289 mm	Bore diameter outer ring
$d_2$	222,4 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

$d_{a \min}$	207 mm	Minimum diameter shaft shoulder
$d_{a \max}$	222 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	323 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum recess radius
$d_{b \min}$	206 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	21 mm	Minimum cavity width of the sleeve



**Additional information**

	H2338	Adapter sleeve
e	0,34	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y <sub>1</sub>	1,98	Dynamic axial load factor
	AH3238G	Withdrawal sleeve
Y <sub>2</sub>	2,94	Dynamic axial load factor
Y <sub>0</sub>	1,93	Static axial load factor