



FAG

## ★ 23038-E1A-XL-K-M

Spherical roller bearing

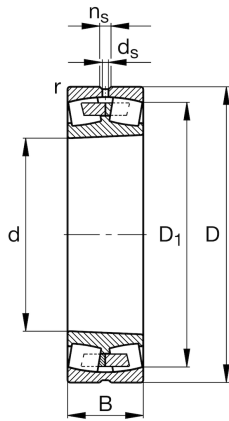
Schaeffler ID:  
0190260720000

Spherical roller bearings 230...E1A-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.
$T_{\max}$	200 °C	Operating temperature max.
	16,922 kg	Weight

## Main Dimensions &amp; Performance Data

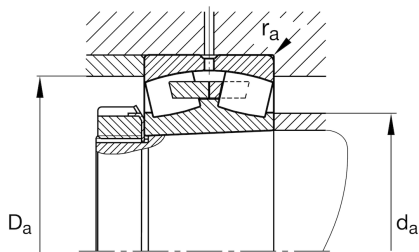
d	190 mm	Bore diameter
D	290 mm	Outside diameter
B	75 mm	Width
$C_r$	1.080.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.550.000 N	Basic static load rating, radial
$C_{ur}$	183.000 N	Fatigue load limit, radial
$n_G$	2.490 1/min	Limiting speed
$n_{gr}$	1.660 1/min	Reference speed

## Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$D_1$	264,5 mm	Bore diameter outer ring
$d_s$	8 mm	Diameter lubrication hole
$n_s$	15 mm	Width of lubricating groove

## Mounting dimensions

$d_{a\min}$	200,2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	279,8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2,1 mm	Maximum recess radius
$d_{a\max}$	211 mm	Maximum diameter of shaft shoulder
$d_{b\min}$	199 mm	Minimum cavity diameter of the sleeve
$B_{a\min}$	9 mm	Minimum cavity width of the sleeve



**Additional information**

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3038	Adapter sleeve
Y <sub>1</sub>	2,98	Dynamic axial load factor
	AH3038G	Withdrawal sleeve
Y <sub>2</sub>	4,44	Dynamic axial load factor
Y <sub>0</sub>	2,92	Static axial load factor