



FAG

**24084-BEA-XL-K30-MB1**

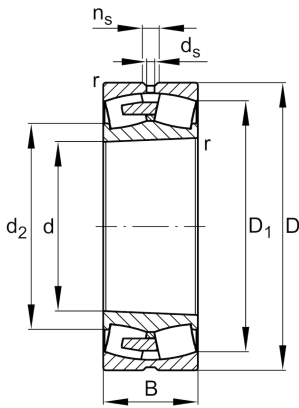
Spherical roller bearing

Schaeffler ID:  
0819867850000

Spherical roller bearings 240..-BEA-K30, main dimensions to DIN 635-2, with tapered bore, taper 1:30

X-life

## Technical information

**Temperature range**

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	200 °C	Operating temperature max.
	202,5 kg	Weight

**Main Dimensions & Performance Data**

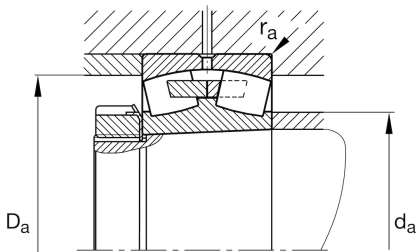
d	420 mm	Bore diameter
D	620 mm	Outside diameter
B	200 mm	Width
$C_r$	4.600.000 N	Basic dynamic load rating, radial
$C_{0r}$	8.500.000 N	Basic static load rating, radial
$C_{ur}$	720.000 N	Fatigue load limit, radial
$n_G$	890 1/min	Limiting speed
$n_{gr}$	465 1/min	Reference speed

**Dimensions**

$r_{min}$	5 mm	Minimum chamfer dimension
$D_1$	529,4 mm	Bore diameter outer ring
$d_s$	12,5 mm	Diameter lubrication hole
$n_s$	23,5 mm	Width of lubricating groove

**Mounting dimensions**

$d_{a min}$	438 mm	Minimum diameter shaft shoulder
$D_{a max}$	602 mm	Maximum diameter of housing shoulder
$r_{a max}$	4 mm	Maximum recess radius



**Additional information**

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
	AH24080-H	Withdrawal sleeve
Y <sub>2</sub>	3,45	Dynamic axial load factor
Y <sub>0</sub>	2,26	Static axial load factor