

FAG

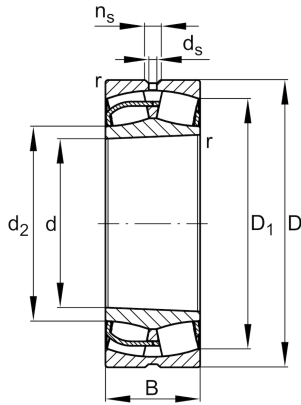
**24152-BE-XL-K30**

Spherical roller bearing

Schaeffler ID:  
0668754800000Spherical roller bearings 241...-BE-K30,  
main dimensions to DIN 635-2, with  
tapered bore, taper 1:30

X-life

## Technical information



## Main Dimensions &amp; Performance Data

d	260 mm	Bore diameter
D	440 mm	Outside diameter
B	180 mm	Width
$C_r$	3.150.000 N	Basic dynamic load rating, radial
$C_{0r}$	4.900.000 N	Basic static load rating, radial
$C_{ur}$	400.000 N	Fatigue load limit, radial
$n_G$	1.290 1/min	Limiting speed
$n_{gr}$	560 1/min	Reference speed
	107,94 kg	Weight

## Additional information

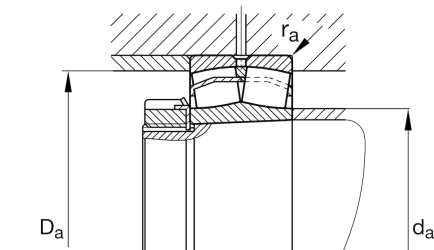
$r_{min}$	4 mm	Minimum chamfer dimension
$D_1$	370,6 mm	Bore diameter outer ring
	AH24152	Withdrawal sleeve
$d_2$	292,2 mm	Raceway diameter of the inner ring
$d_s$	8 mm	Diameter lubrication hole
$n_s$	15 mm	Width of lubricating groove

## Mounting dimensions

$d_{a min}$	277 mm	Minimum diameter shaft shoulder
$D_{a max}$	423 mm	Maximum diameter of housing shoulder
$r_{a max}$	3 mm	Maximum recess radius

## Calculation factors

e	0,4	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1,67	Dynamic axial load factor
$Y_2$	2,49	Dynamic axial load factor
$Y_0$	1,63	Static axial load factor



**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.