

**FAG****239/600-B-K-MB-C3**

## Spherical Roller Bearing

Spherical roller bearings 239...-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

## Technical information

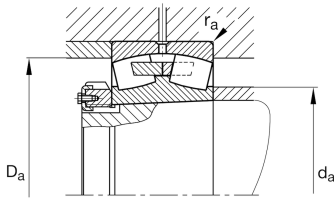


## Your current product variant

Design	B	With fixed central rib
Bore type	K	Tapered, taper 1:12
Cage	MB	Solid brass cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	Standard	

## Main Dimensions &amp; Performance Data

d	600 mm	Bore diameter
D	800 mm	Outside diameter
B	150 mm	Width
C <sub>r</sub>	3.450.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	8.600.000 N	Basic static load rating, radial
C <sub>ur</sub>	640.000 N	Fatigue load limit, radial
n <sub>G</sub>	810 1/min	Limiting speed
n <sub>gr</sub>	430 1/min	Reference speed
m	206,5 kg	Weight





### Mounting dimensions

$d_{a \min}$	618 mm	Minimum diameter shaft shoulder
$D_{a \max}$	782 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius
$d_{a \max}$	653 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	618 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	20 mm	Minimum cavity width of the sleeve

### Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
$D_1$	740,5 mm	Bore diameter outer ring
$d_s$	12,5 mm	Diameter lubrication hole
$n_s$	23,5 mm	Width of lubricating groove

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

### Calculation factors

$e$	0,17	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	3,95	Dynamic axial load factor
$Y_2$	5,88	Dynamic axial load factor
$Y_0$	3,86	Static axial load factor

### Additional information

H39/600-HG	Adapter sleeve
AH39/600-H	Withdrawal sleeve



### Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed



Large bearing



Static angular error and misalignment



Dynamic angular error and misalignment